

HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use BENLYSTA safely and effectively. See full prescribing information for BENLYSTA.

BENLYSTA® (belimumab)
for injection, for intravenous use only
Initial U.S. Approval: 2011

RECENT MAJOR CHANGES

Warnings and Precautions (5.4)

3/2012

INDICATIONS AND USAGE

BENLYSTA is a B-lymphocyte stimulator (BLyS)-specific inhibitor indicated for the treatment of adult patients with active, autoantibody-positive, systemic lupus erythematosus who are receiving standard therapy. (1, 14)

Limitations of Use: The efficacy of BENLYSTA has not been evaluated in patients with severe active lupus nephritis or severe active central nervous system lupus (1). BENLYSTA has not been studied in combination with other biologics or intravenous cyclophosphamide (1). Use of BENLYSTA is not recommended in these situations.

DOSAGE AND ADMINISTRATION

- Recommended dosage regimen is 10 mg/kg at 2-week intervals for the first 3 doses and at 4-week intervals thereafter. Reconstitute, dilute and administer as an intravenous infusion only, over a period of 1 hour. (2.1)
- Consider administering premedication for prophylaxis against infusion reactions and hypersensitivity reactions (2.2)

DOSAGE FORMS AND STRENGTHS

Single-use vials of belimumab lyophilized powder:

- 120 mg per vial (3)
- 400 mg per vial (3)

CONTRAINDICATIONS

Previous anaphylaxis to belimumab. (4)

WARNINGS AND PRECAUTIONS

- Mortality:** There were more deaths reported with BENLYSTA than with placebo during the controlled period of clinical trials. (5.1)
- Serious Infections:** Serious and sometimes fatal infections have been reported in patients receiving immunosuppressive agents, including BENLYSTA. Use with caution in patients with chronic infections. Consider interrupting BENLYSTA therapy if patients develop a new infection during BENLYSTA treatment. (5.2)
- Hypersensitivity Reactions, Including Anaphylaxis:** Serious and fatal reactions have been reported. BENLYSTA should be administered by healthcare providers prepared to manage anaphylaxis. Monitor patients during and for an appropriate period of time after administration of BENLYSTA. (2.2, 5.4)
- Depression:** Depression and suicidality have been reported in BENLYSTA studies. Patients should be instructed to contact their healthcare provider if they experience new or worsening depression, suicidal thoughts or other mood changes. (5.6)
- Immunization:** Live vaccines should not be given concurrently with BENLYSTA. (5.7)

ADVERSE REACTIONS

Common adverse reactions (≥5%) in clinical trials were: nausea, diarrhea, pyrexia, nasopharyngitis, bronchitis, insomnia, pain in extremity, depression, migraine, and pharyngitis. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact Human Genome Sciences, Inc. at 1-877-423-6597 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

USE IN SPECIFIC POPULATIONS

- Pregnancy:** Registry available. (8.1)

See 17 for PATIENT COUNSELING INFORMATION and Medication Guide.

Revised: March 2012

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1 **FULL PRESCRIBING INFORMATION**

2 **1 INDICATIONS AND USAGE**

3 BENLYSTA[®] (belimumab) is indicated for the treatment of adult patients with active,
4 autoantibody-positive, systemic lupus erythematosus (SLE) who are receiving standard therapy.

5
6 *Limitations of Use*

7 The efficacy of BENLYSTA has not been evaluated in patients with severe active lupus nephritis
8 or severe active central nervous system lupus. BENLYSTA has not been studied in combination
9 with other biologics or intravenous cyclophosphamide. Use of BENLYSTA is not recommended
10 in these situations.

11 **2 DOSAGE AND ADMINISTRATION**

12
13 **2.1 Dosage Schedule**

14 BENLYSTA is for intravenous infusion **only** and must be reconstituted and diluted prior to
15 administration [see *Dosage and Administration (2.3)*]. Do not administer as an intravenous push
16 or bolus.

17
18 The recommended dosage regimen is 10 mg/kg at 2-week intervals for the first 3 doses and at
19 4-week intervals thereafter. Reconstitute, dilute and administer as an intravenous infusion only,
20 over a period of 1 hour. The infusion rate may be slowed or interrupted if the patient develops an
21 infusion reaction. The infusion must be discontinued immediately if the patient experiences a
22 serious hypersensitivity reaction [see *Contraindications (4), Warnings and Precautions (5.4)*].

23
24 **2.2 Premedication Recommendations**

25 Prior to dosing with BENLYSTA, consider administering premedication for prophylaxis against
26 infusion reactions and hypersensitivity reactions. [see *Warnings and Precautions (5.4,5.5) and*
27 *Adverse Reactions (6.1)*].

28
29 **2.3 Preparation of Solutions**

30 BENLYSTA is provided as a lyophilized powder in a single-use vial for intravenous infusion
31 only and should be reconstituted and diluted by a healthcare professional using aseptic technique
32 as follows:

33 **Reconstitution Instructions**

- 34 1. Remove BENLYSTA from the refrigerator and allow to stand 10 to 15 minutes for the vial to
35 reach room temperature.
- 36 2. Reconstitute the BENLYSTA powder with Sterile Water for Injection, USP, as follows. The
37 reconstituted solution will contain a concentration of 80 mg/mL belimumab.
- 38 • Reconstitute the 120 mg vial with 1.5 mL Sterile Water for Injection, USP.
 - 39 • Reconstitute the 400 mg vial with 4.8 mL Sterile Water for Injection, USP.
- 40 3. The stream of sterile water should be directed toward the side of the vial to minimize
41 foaming. Gently swirl the vial for 60 seconds. Allow the vial to sit at room temperature
42 during reconstitution, gently swirling the vial for 60 seconds every 5 minutes until the
43 powder is dissolved. *Do not shake*. Reconstitution is typically complete within 10 to
44 15 minutes after the sterile water has been added, but it may take up to 30 minutes. Protect

- 45 the reconstituted solution from sunlight.
- 46 4. If a mechanical reconstitution device (swirler) is used to reconstitute BENLYSTA, it should
47 not exceed 500 rpm and the vial swirled for no longer than 30 minutes.
- 48 5. Once reconstitution is complete, the solution should be opalescent and colorless to pale
49 yellow, and without particles. Small air bubbles, however, are expected and acceptable.

50 **Dilution Instructions**

- 51 6. Dextrose intravenous solutions are incompatible with BENLYSTA. BENLYSTA should only
52 be diluted in 0.9% Sodium Chloride Injection, USP. Dilute the reconstituted product to
53 250 mL in 0.9% Sodium Chloride Injection, USP (normal saline) for intravenous infusion.
54 From a 250-mL infusion bag or bottle of normal saline, withdraw and discard a volume equal
55 to the volume of the reconstituted solution of BENLYSTA required for the patient's dose.
56 Then add the required volume of the reconstituted solution of BENLYSTA into the infusion
57 bag or bottle. Gently invert the bag or bottle to mix the solution. Any unused solution in the
58 vials must be discarded.
- 59 7. Parenteral drug products should be inspected visually for particulate matter and discoloration
60 prior to administration, whenever solution and container permit. Discard the solution if any
61 particulate matter or discoloration is observed.
- 62 8. The reconstituted solution of BENLYSTA, if not used immediately, should be stored
63 protected from direct sunlight and refrigerated at 2° to 8°C (36° to 46°F). Solutions of
64 BENLYSTA diluted in normal saline may be stored at 2° to 8°C (36° to 46°F) or room
65 temperature. The total time from reconstitution of BENLYSTA to completion of infusion
66 should not exceed 8 hours.
- 67 9. No incompatibilities between BENLYSTA and polyvinylchloride or polyolefin bags have
68 been observed.

70 **2.4 Administration Instructions**

- 71 1. The diluted solution of BENLYSTA should be administered by intravenous infusion only,
72 over a period of 1 hour.
- 73 2. BENLYSTA should be administered by healthcare providers prepared to manage
74 anaphylaxis. [*see Warnings and Precautions (5.4)*]
- 75 3. BENLYSTA should not be infused concomitantly in the same intravenous line with other
76 agents. No physical or biochemical compatibility studies have been conducted to evaluate the
77 coadministration of BENLYSTA with other agents.

78 **3 DOSAGE FORMS AND STRENGTHS**

79 Single-use vials of belimumab lyophilized powder for injection:

- 80 • 120 mg per vial
- 81 • 400 mg per vial

82 **4 CONTRAINDICATIONS**

83 BENLYSTA is contraindicated in patients who have had anaphylaxis with belimumab.

84 **5 WARNINGS AND PRECAUTIONS**

85 **5.1 Mortality**

86 There were more deaths reported with BENLYSTA than with placebo during the controlled
87 period of the clinical trials. Out of 2133 patients in 3 clinical trials, a total of 14 deaths occurred
88

89 during the placebo-controlled, double-blind treatment periods: 3/675 (0.4%), 5/673 (0.7%),
90 0/111 (0%), and 6/674 (0.9%) deaths in the placebo, BENLYSTA 1 mg/kg, BENLYSTA 4
91 mg/kg, and BENLYSTA 10 mg/kg groups, respectively. No single cause of death predominated.
92 Etiologies included infection, cardiovascular disease and suicide.

93

94 **5.2 Serious Infections**

95 Serious and sometimes fatal infections have been reported in patients receiving
96 immunosuppressive agents, including BENLYSTA. Physicians should exercise caution when
97 considering the use of BENLYSTA in patients with chronic infections. Patients receiving any
98 therapy for chronic infection should not begin therapy with BENLYSTA. Consider interrupting
99 BENLYSTA therapy in patients who develop a new infection while undergoing treatment with
100 BENLYSTA and monitor these patients closely.

101

102 In the controlled clinical trials, the overall incidence of infections was 71% in patients treated
103 with BENLYSTA compared with 67% in patients who received placebo. The most frequent
104 infections (>5% of patients receiving BENLYSTA) were upper respiratory tract infection,
105 urinary tract infection, nasopharyngitis, sinusitis, bronchitis, and influenza. Serious infections
106 occurred in 6.0% of patients treated with BENLYSTA and in 5.2% of patients who received
107 placebo. The most frequent serious infections included pneumonia, urinary tract infection,
108 cellulitis, and bronchitis. Infections leading to discontinuation of treatment occurred in 0.7% of
109 patients receiving BENLYSTA and 1.0% of patients receiving placebo. Infections resulting in
110 death occurred in 0.3% (4/1458) of patients treated with BENLYSTA and in 0.1% (1/675) of
111 patients receiving placebo.

112

113 **5.3 Malignancy**

114 The impact of treatment with BENLYSTA on the development of malignancies is not known. In
115 the controlled clinical trials, malignancies (including non-melanoma skin cancers) were reported
116 in 0.4% of patients receiving BENLYSTA and 0.4% of patients receiving placebo. In the
117 controlled clinical trials, malignancies, excluding non-melanoma skin cancers, were observed in
118 0.2% (3/1458) and 0.3% (2/675) of patients receiving BENLYSTA and placebo, respectively. As
119 with other immunomodulating agents, the mechanism of action of BENLYSTA could increase
120 the risk for the development of malignancies.

121

122 **5.4 Hypersensitivity Reactions, Including Anaphylaxis**

123 Hypersensitivity reactions, including anaphylaxis and death, have been reported in association
124 with BENLYSTA. Delay in the onset of acute hypersensitivity reactions has been observed.
125 Limited data suggest that patients with a history of multiple drug allergies or significant
126 hypersensitivity may be at increased risk. In the controlled clinical trials, hypersensitivity
127 reactions (occurring on the same day of infusion) were reported in 13% (191/1458) of patients
128 receiving BENLYSTA and 11% (76/675) of patients receiving placebo. Anaphylaxis was
129 observed in 0.6% (9/1458) of patients receiving BENLYSTA and 0.4% (3/675) of patients
130 receiving placebo. Manifestations included hypotension, angioedema, urticaria or other rash,
131 pruritus, and dyspnea. Due to overlap in signs and symptoms, it was not possible to distinguish
132 between hypersensitivity reactions and infusion reactions in all cases [*see Warnings and*
133 *Precautions (5.5)*]. Some patients (13%) received premedication, which may have mitigated or

134 masked a hypersensitivity response; however, there is insufficient evidence to determine whether
135 premedication diminishes the frequency or severity of hypersensitivity reactions.

136
137 BENLYSTA should be administered by healthcare providers prepared to manage anaphylaxis. In
138 the event of a serious reaction, administration of BENLYSTA must be discontinued immediately
139 and appropriate medical therapy administered. Patients should be monitored during and for an
140 appropriate period of time after administration of BENLYSTA. Patients should be informed of
141 the signs and symptoms of a hypersensitivity reaction and instructed to seek immediate medical
142 care should a reaction occur.

143

144 **5.5 Infusion Reactions**

145 In the controlled clinical trials, adverse events associated with the infusion (occurring on the
146 same day of the infusion) were reported in 17% (251/1458) of patients receiving BENLYSTA
147 and 15% (99/675) of patients receiving placebo. Serious infusion reactions (excluding
148 hypersensitivity reactions) were reported in 0.5% of patients receiving BENLYSTA and 0.4% of
149 patients receiving placebo and included bradycardia, myalgia, headache, rash, urticaria, and
150 hypotension. The most common infusion reactions ($\geq 3\%$ of patients receiving BENLYSTA)
151 were headache, nausea, and skin reactions. Due to overlap in signs and symptoms, it was not
152 possible to distinguish between hypersensitivity reactions and infusion reactions in all cases [*see*
153 *Warnings and Precautions (5.4)*]. Some patients (13%) received premedication, which may have
154 mitigated or masked an infusion reaction; however there is insufficient evidence to determine
155 whether premedication diminishes the frequency or severity of infusion reactions [*see Adverse*
156 *Reactions (6.1)*].

157
158 BENLYSTA should be administered by healthcare providers prepared to manage infusion
159 reactions. The infusion rate may be slowed or interrupted if the patient develops an infusion
160 reaction. Healthcare providers should be aware of the risk of hypersensitivity reactions, which
161 may present as infusion reactions, and monitor patients closely.

162

163 **5.6 Depression**

164 In the controlled clinical trials, psychiatric events were reported more frequently with
165 BENLYSTA (16%) than with placebo (12%), related primarily to depression-related events
166 (6.3% BENLYSTA and 4.7% placebo), insomnia (6.0% BENLYSTA and 5.3% placebo), and
167 anxiety (3.9% BENLYSTA and 2.8% placebo). Serious psychiatric events were reported in 0.8%
168 of patients receiving BENLYSTA (0.6% and 1.2% with 1 and 10 mg/kg, respectively) and 0.4%
169 of patients receiving placebo. Serious depression was reported in 0.4% (6/1458) of patients
170 receiving BENLYSTA and 0.1% (1/675) of patients receiving placebo. Two suicides (0.1%)
171 were reported in patients receiving BENLYSTA. The majority of patients who reported serious
172 depression or suicidal behavior had a history of depression or other serious psychiatric disorders
173 and most were receiving psychoactive medications. It is unknown if BENLYSTA treatment is
174 associated with increased risk for these events.

175

176 Patients receiving BENLYSTA should be instructed to contact their healthcare provider if they
177 experience new or worsening depression, suicidal thoughts, or other mood changes.

178

179 **5.7 Immunization**

180 Live vaccines should not be given for 30 days before or concurrently with BENLYSTA as
181 clinical safety has not been established. No data are available on the secondary transmission of
182 infection from persons receiving live vaccines to patients receiving BENLYSTA or the effect of
183 BENLYSTA on new immunizations. Because of its mechanism of action, BENLYSTA may
184 interfere with the response to immunizations.

185
186 **5.8 Concomitant Use with Other Biologic Therapies or Intravenous
187 Cyclophosphamide**

188 BENLYSTA has not been studied in combination with other biologic therapies, including B-cell
189 targeted therapies, or intravenous cyclophosphamide. Therefore, use of BENLYSTA is not
190 recommended in combination with biologic therapies or intravenous cyclophosphamide.

191 **6 ADVERSE REACTIONS**

192 Because clinical trials are conducted under widely varying conditions, adverse reaction rates
193 observed in the clinical trials of a drug cannot be directly compared with rates in the clinical
194 trials of another drug and may not reflect the rates observed in practice.

195
196 The following have been observed with BENLYSTA and are discussed in detail in the Warnings
197 and Precautions section:

- 198 • **Mortality** [see *Warnings and Precautions (5.1)*]
- 199 • **Serious Infections** [see *Warnings and Precautions (5.2)*]
- 200 • **Malignancy** [see *Warnings and Precautions (5.3)*]
- 201 • **Hypersensitivity Reactions, Including Anaphylaxis** [see *Warnings and Precautions (5.4)*]
- 202 • **Infusion reactions** [see *Warnings and Precautions (5.5)*]
- 203 • **Depression** [see *Warnings and Precautions (5.6)*]

204
205 **6.1 Clinical Trials Experience**

206 The data described below reflect exposure to BENLYSTA plus standard of care compared with
207 placebo plus standard of care in 2133 patients in 3 controlled studies. Patients received
208 BENLYSTA at doses of 1 mg/kg (N=673), 4 mg/kg (N=111; Trial 1 only), or 10 mg/kg (N=674)
209 or placebo (N=675) intravenously over a 1-hour period on Days 0, 14, 28, and then every
210 28 days. In two of the studies (Trial 1 and Trial 3), treatment was given for 48 weeks, while in
211 the other study (Trial 2) treatment was given for 72 weeks [see *Clinical Studies (14)*]. Because
212 there was no apparent dose-related increase in the majority of adverse events observed with
213 BENLYSTA, the safety data summarized below are presented for the 3 doses pooled, unless
214 otherwise indicated; the adverse reaction table displays the results for the recommended dose of
215 10 mg/kg compared with placebo.

216
217 The population had a mean age of 39 (range 18-75), 94% were female, and 52% were Caucasian.
218 In these trials, 93% of patients treated with BENLYSTA reported an adverse reaction compared
219 with 92% treated with placebo.

220
221 The most common serious adverse reactions were serious infections (6.0% and 5.2% in the
222 groups receiving BENLYSTA and placebo, respectively) [see *Warnings and Precautions (5.2)*].

223

224 The most commonly-reported adverse reactions, occurring in $\geq 5\%$ of patients in clinical trials
 225 were nausea, diarrhea, pyrexia, nasopharyngitis, bronchitis, insomnia, pain in extremity,
 226 depression, migraine, and pharyngitis.

227
 228 The proportion of patients who discontinued treatment due to any adverse reaction during the
 229 controlled clinical trials was 6.2% for patients receiving BENLYSTA and 7.1% for patients
 230 receiving placebo. The most common adverse reactions resulting in discontinuation of treatment
 231 ($\geq 1\%$ of patients receiving BENLYSTA or placebo) were infusion reactions (1.6% BENLYSTA
 232 and 0.9% placebo), lupus nephritis (0.7% BENLYSTA and 1.2% placebo), and infections (0.7%
 233 BENLYSTA and 1.0% placebo).

234
 235 Table 1 lists adverse reactions, regardless of causality, occurring in at least 3% of patients with
 236 SLE who received BENLYSTA 10 mg/kg and at an incidence at least 1% greater than that
 237 observed with placebo in the 3 controlled studies.

238 **Table 1. Incidence of Adverse Reactions Occurring in at Least 3% of Patients Treated With BENLYSTA**
 239 **10 mg/kg Plus Standard of Care and at Least 1% More Frequently Than in Patients Receiving Placebo plus**
 240 **Standard of Care in 3 Controlled SLE Studies**

Preferred Term	BENLYSTA 10 mg/kg + Standard of Care (n = 674) %	Placebo + Standard of Care (n = 675) %
Nausea	15	12
Diarrhea	12	9
Pyrexia	10	8
Nasopharyngitis	9	7
Bronchitis	9	5
Insomnia	7	5
Pain in extremity	6	4
Depression	5	4
Migraine	5	4
Pharyngitis	5	3
Cystitis	4	3
Leukopenia	4	2
Gastroenteritis viral	3	1

241
 242 **6.2 Immunogenicity**
 243 In Trials 2 and 3, anti-belimumab antibodies were detected in 4 of 563 (0.7%) patients receiving
 244 BENLYSTA 10 mg/kg and in 27 of 559 (4.8%) patients receiving BENLYSTA 1 mg/kg. The
 245 reported frequency for the group receiving 10 mg/kg may underestimate the actual frequency due
 246 to lower assay sensitivity in the presence of high drug concentrations. Neutralizing antibodies
 247 were detected in 3 patients receiving BENLYSTA 1 mg/kg. Three patients with anti-belimumab
 248 antibodies experienced mild infusion reactions of nausea, erythematous rash, pruritus, eyelid
 249 edema, headache, and dyspnea; none of the reactions was life-threatening. The clinical relevance
 250 of the presence of anti-belimumab antibodies is not known.

251

252 The data reflect the percentage of patients whose test results were positive for antibodies to
253 belimumab in specific assays. The observed incidence of antibody positivity in an assay is highly
254 dependent on several factors, including assay sensitivity and specificity, assay methodology,
255 sample handling, timing of sample collection, concomitant medications, and underlying disease.
256 For these reasons, comparison of the incidence of antibodies to belimumab with the incidence of
257 antibodies to other products may be misleading.

258

259 **6.3 Postmarketing Experience**

260 The following adverse reactions have been identified during postapproval use of BENLYSTA.
261 Because these reactions are reported voluntarily from a population of uncertain size, it is not always
262 possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

- 263 • Fatal anaphylaxis [*see Warnings and Precautions (5.4)*].

264 **7 DRUG INTERACTIONS**

265 Formal drug interaction studies have not been performed with BENLYSTA. In clinical trials of
266 patients with SLE, BENLYSTA was administered concomitantly with other drugs, including
267 corticosteroids, antimalarials, immunomodulatory and immunosuppressive agents (including
268 azathioprine, methotrexate, and mycophenolate), angiotensin pathway antihypertensives,
269 HMG-CoA reductase inhibitors (statins), and NSAIDs without evidence of a clinically
270 meaningful effect of these concomitant medications on belimumab pharmacokinetics. The effect
271 of belimumab on the pharmacokinetics of other drugs has not been evaluated [*see*
272 *Pharmacokinetics (12.3)*].

273 **8 USE IN SPECIFIC POPULATIONS**

274

275 **8.1 Pregnancy**

276 Pregnancy Category C. There are no adequate and well-controlled clinical studies using
277 BENLYSTA in pregnant women. Immunoglobulin G (IgG) antibodies, including BENLYSTA,
278 can cross the placenta. Because animal reproduction studies are not always predictive of human
279 response, BENLYSTA should be used during pregnancy only if the potential benefit to the
280 mother justifies the potential risk to the fetus. Women of childbearing potential should use
281 adequate contraception during treatment with BENLYSTA and for at least 4 months after the
282 final treatment.

283

284 Nonclinical reproductive studies have been performed in pregnant cynomolgus monkeys
285 receiving belimumab at doses of 0, 5 and 150 mg/kg by intravenous infusion (the high dose was
286 approximately 9 times the anticipated maximum human exposure) every 2 weeks from gestation
287 day 20 to 150. Belimumab was shown to cross the placenta. Belimumab was not associated with
288 direct or indirect teratogenicity under the conditions tested. Fetal deaths were observed in 14%,
289 24% and 15% of pregnant females in the 0, 5 and 150 mg/kg groups, respectively. Infant deaths
290 occurred with an incidence of 0%, 8% and 5%. The cause of fetal and infant deaths is not known.
291 The relevance of these findings to humans is not known. Other treatment-related findings were
292 limited to the expected reversible reduction of B cells in both dams and infants and reversible
293 reduction of IgM in infant monkeys. B-cell numbers recovered after the cessation of belimumab
294 treatment by about 1 year post-partum in adult monkeys and by 3 months of age in infant
295 monkeys. IgM levels in infants exposed to belimumab in utero recovered by 6 months of age.

296
297 **Pregnancy Registry:** To monitor maternal-fetal outcomes of pregnant women exposed to
298 BENLYSTA, a pregnancy registry has been established. Healthcare professionals are encouraged
299 to register patients and pregnant women are encouraged to enroll themselves by calling
300 1-877-681-6296.

301 302 **8.3 Nursing Mothers**

303 It is not known whether BENLYSTA is excreted in human milk or absorbed systemically after
304 ingestion. However, belimumab was excreted into the milk of cynomolgus monkeys. Because
305 maternal antibodies are excreted in human breast milk, a decision should be made whether to
306 discontinue breastfeeding or to discontinue the drug, taking into account the importance of
307 breastfeeding to the infant and the importance of the drug to the mother.

308 309 **8.4 Pediatric Use**

310 Safety and effectiveness of BENLYSTA have not been established in children.

311 312 **8.5 Geriatric Use**

313 Clinical studies of BENLYSTA did not include sufficient numbers of subjects aged 65 or over to
314 determine whether they respond differently from younger subjects. Use with caution in elderly
315 patients.

316 317 **8.6 Race**

318 In Trial 2 and Trial 3, response rates for the primary endpoint were lower for black subjects in
319 the BENLYSTA group relative to black subjects in the placebo group [*see Clinical Studies (14)*].
320 Use with caution in black/African-American patients.

321 **10 OVERDOSAGE**

322 There is no clinical experience with overdosage of BENLYSTA. Two doses of up to 20 mg/kg
323 have been given by intravenous infusion to humans with no increase in incidence or severity of
324 adverse reactions compared with doses of 1, 4, or 10 mg/kg.

325 **11 DESCRIPTION**

326 BENLYSTA (belimumab) is a human IgG1 λ monoclonal antibody specific for soluble human B
327 lymphocyte stimulator protein (BLyS, also referred to as BAFF and TNFSF13B). Belimumab
328 has a molecular weight of approximately 147 kDa. Belimumab is produced by recombinant DNA
329 technology in a mammalian cell expression system.

330
331 BENLYSTA is supplied as a sterile, white to off-white, preservative-free, lyophilized powder for
332 intravenous infusion. Upon reconstitution with Sterile Water for Injection, USP, [*see Dosage
333 and Administration (2.3)*] each single-use vial delivers 80 mg/mL belimumab in 0.16 mg/mL
334 citric acid, 0.4 mg/mL polysorbate 80, 2.7 mg/mL sodium citrate, and 80 mg/mL sucrose, with a
335 pH of 6.5.

336 **12 CLINICAL PHARMACOLOGY**

337

338 **12.1 Mechanism of Action**

339 BENLYSTA is a BlyS-specific inhibitor that blocks the binding of soluble BlyS, a B-cell
340 survival factor, to its receptors on B cells. BENLYSTA does not bind B cells directly, but by
341 binding BlyS, BENLYSTA inhibits the survival of B cells, including autoreactive B cells, and
342 reduces the differentiation of B cells into immunoglobulin-producing plasma cells.

343

344 **12.2 Pharmacodynamics**

345 In Trial 1 and Trial 2 in which B cells were measured, treatment with BENLYSTA significantly
346 reduced circulating CD19+, CD20+, naïve, and activated B cells, plasmacytoid cells, and the
347 SLE B-cell subset at Week 52. Reductions in naïve and the SLE B-cell subset were observed as
348 early as Week 8 and were sustained to Week 52. Memory cells increased initially and slowly
349 declined toward baseline levels by Week 52. The clinical relevance of these effects on B cells
350 has not been established.

351

352 Treatment with BENLYSTA led to reductions in IgG and anti-dsDNA, and increases in
353 complement (C3 and C4). These changes were observed as early as Week 8 and were sustained
354 through Week 52. The clinical relevance of normalizing these biomarkers has not been
355 definitively established.

356

357 **12.3 Pharmacokinetics**

358 The pharmacokinetic parameters displayed in Table 2 are based on population parameter
359 estimates which are specific to the 563 patients who received belimumab 10 mg/kg in Trials 2
360 and 3 [see *Clinical Studies (14)*].

361 **Table 2. Population Pharmacokinetic Parameters in Patients with SLE after Intravenous Infusion of**
362 **BENLYSTA 10 mg/kg¹**

Pharmacokinetic Parameter	Population Estimates (n = 563)
Peak concentration (C _{max} , µg/mL)	313
Area under the curve (AUC _{0-∞} , day•µg/mL)	3,083
Distribution half-life (t _{1/2} , days)	1.75
Terminal half-life (t _{1/2} , days)	19.4
Systemic clearance (CL, mL/day)	215
Volume of distribution (V _{ss} , L)	5.29

363 ¹ Intravenous infusions were administered at 2-week intervals for the first 3 doses and at
364 4-week intervals thereafter.

365

366 **Drug Interactions:** No formal drug interaction studies have been conducted with belimumab.
367 Concomitant use of mycophenolate, azathioprine, methotrexate, antimalarials, NSAIDs, aspirin,
368 and HMG-CoA reductase inhibitors did not significantly influence belimumab pharmacokinetics.
369 Coadministration of steroids and angiotensin-converting enzyme (ACE) inhibitors resulted in an
370 increase of systemic clearance of belimumab that was not clinically significant because the
371 magnitude was well within the range of normal variability of clearance. The effect of belimumab
372 on the pharmacokinetics of other drugs has not been evaluated.

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Special Populations:

The following information is based on the population pharmacokinetic analysis.

Age: Age did not significantly influence belimumab pharmacokinetics in the study population, where the majority of subjects (70%) were between 18 and 45 years of age. No pharmacokinetic data are available in pediatric patients. Limited pharmacokinetic data are available for elderly patients as only 1.4% of the subjects included in the pharmacokinetic analysis were 65 years of age or older [see *Use in Specific Populations (8.5)*].

Gender: Gender did not significantly influence belimumab pharmacokinetics in the largely (94%) female study population.

Race: Race did not significantly influence belimumab pharmacokinetics. The racial distribution was 53% white/Caucasian, 16% Asian, 16% Alaska native/American Indian, and 14% black/African-American.

Renal Impairment: No formal studies were conducted to examine the effects of renal impairment on the pharmacokinetics of belimumab. Belimumab has been studied in a limited number of patients with SLE and renal impairment (261 subjects with moderate renal impairment, creatinine clearance ≥ 30 and < 60 mL/min; 14 subjects with severe renal impairment, creatinine clearance ≥ 15 and < 30 mL/min). Although increases in creatinine clearance and proteinuria (> 2 g/day) increased belimumab clearance, these effects were within the expected range of variability. Therefore, dosage adjustment in patients with renal impairment is not recommended.

Hepatic Impairment: No formal studies were conducted to examine the effects of hepatic impairment on the pharmacokinetics of belimumab. Belimumab has not been studied in patients with severe hepatic impairment. Baseline ALT and AST levels did not significantly influence belimumab pharmacokinetics.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Long-term animal studies have not been performed to evaluate the carcinogenic potential of belimumab. The mutagenic potential of belimumab was not evaluated.

Effects on male and female fertility have not been directly evaluated in animal studies.

14 CLINICAL STUDIES

The safety and effectiveness of BENLYSTA were evaluated in three randomized, double-blind, placebo-controlled studies involving 2133 patients with SLE according to the American College of Rheumatology criteria (Trial 1, 2, and 3). Patients with severe active lupus nephritis and severe active CNS lupus were excluded. Patients were on a stable standard of care SLE treatment regimen comprising any of the following (alone or in combination): corticosteroids,

417 antimalarials, NSAIDs, and immunosuppressives. Use of other biologics and intravenous
418 cyclophosphamide were not permitted.

419

420 ***Trial 1: BENLYSTA 1 mg/kg, 4 mg/kg, 10 mg/kg***

421 Trial 1 enrolled 449 patients and evaluated doses of 1, 4, and 10 mg/kg BENLYSTA plus
422 standard of care compared with placebo plus standard of care over 52 weeks in patients with
423 SLE. Patients had to have a SELENA-SLEDAI score of ≥ 4 at baseline and a history of
424 autoantibodies (anti-nuclear antibody (ANA) and/or anti-double-stranded DNA (anti-dsDNA),
425 but 28% of the population was autoantibody negative at baseline. The co-primary endpoints were
426 percent change in SELENA-SLEDAI score at Week 24 and time to first flare over 52 weeks. No
427 significant differences between any of the BENLYSTA groups and the placebo group were
428 observed. Exploratory analysis of this study identified a subgroup of patients (72%), who were
429 autoantibody positive, in whom BENLYSTA appeared to offer benefit. The results of this study
430 informed the design of Trials 2 and 3 and led to the selection of a target population and
431 indication that is limited to autoantibody-positive SLE patients.

432

433 ***Trials 2 and 3: BENLYSTA 1 mg/kg and 10 mg/kg***

434 Trials 2 and 3 were randomized, double-blind, placebo-controlled trials in patients with SLE that
435 were similar in design except duration - Trial 2 was 76 weeks duration and Trial 3 was 52 weeks
436 duration. Eligible patients had active SLE disease, defined as a SELENA-SLEDAI score ≥ 6 , and
437 positive autoantibody test results at screening. Patients were excluded from the study if they had
438 ever received treatment with a B-cell targeted agent or if they were currently receiving other
439 biologic agents. Intravenous cyclophosphamide was not permitted within the previous 6 months
440 or during study. Trial 2 was conducted primarily in North America and Europe. Trial 3 was
441 conducted in South America, Eastern Europe, Asia, and Australia.

442

443 Baseline concomitant medications included corticosteroids (Trial 2: 76%, Trial 3: 96%),
444 immunosuppressives (Trial 2: 56%, Trial 3: 42%; including azathioprine, methotrexate and
445 mycophenolate), and antimalarials (Trial 2: 63%, Trial 3: 67%). Most patients (>70%) were
446 receiving 2 or more classes of SLE medications.

447

448 In Trial 2 and Trial 3, more than 50% of patients had 3 or more active organ systems at baseline.
449 The most common active organ systems at baseline based on SELENA-SLEDAI were
450 mucocutaneous (82% in both studies); immunology (Trial 2: 74%, Trial 3: 85%); and
451 musculoskeletal (Trial 2: 73%, Trial 3: 59%). Less than 16% of patients had some degree of
452 renal activity and less than 7% of patients had activity in the vascular, cardio-respiratory, or CNS
453 systems.

454

455 At screening, patients were stratified by disease severity based on their SELENA-SLEDAI score
456 (≤ 9 vs ≥ 10), proteinuria level (< 2 g/24 hr vs ≥ 2 g/24 hr), and race (African or Indigenous-
457 American descent vs. other), and then randomly assigned to receive BENLYSTA 1 mg/kg,
458 BENLYSTA 10 mg/kg, or placebo in addition to standard of care. The patients were
459 administered study medication intravenously over a 1-hour period on Days 0, 14, 28, and then
460 every 28 days for 48 weeks in Trial 3 and for 72 weeks in Trial 2.

461

462 The primary efficacy endpoint was a composite endpoint (SLE Responder Index or SRI) that
463 defined response as meeting each of the following criteria at Week 52 compared with baseline:

- 464 • ≥ 4 -point reduction in the SELENA-SLEDAI score, and
- 465 • no new British Isles Lupus Assessment Group (BILAG) A organ domain score or 2 new
466 BILAG B organ domain scores, and
- 467 • no worsening (< 0.30 -point increase) in Physician's Global Assessment (PGA) score.

468
469 The SRI uses the SELENA-SLEDAI score as an objective measure of reduction in global disease
470 activity; the BILAG index to ensure no significant worsening in any specific organ system; and
471 the PGA to ensure that improvements in disease activity are not accompanied by worsening of
472 the patient's condition overall.

473
474 In both Trials 2 and 3, the proportion of SLE patients achieving an SRI response, as defined for
475 the primary endpoint, was significantly higher in the BENLYSTA 10 mg/kg group than in the
476 placebo group. The effect on the SRI was not consistently significantly different for the
477 BENLYSTA 1 mg/kg group relative to placebo in both trials. The 1 mg/kg dose is not
478 recommended. The trends in comparisons between the treatment groups for the rates of response
479 for the individual components of the endpoint were generally consistent with that of the SRI
480 (Table 3). At Week 76 in Trial 2, the SRI response rate with BENLYSTA 10 mg/kg was not
481 significantly different from that of placebo (39% and 32%, respectively).

482

483 **Table 3. Clinical Response Rate in Patients with SLE After 52 Weeks of Treatment**

Response ¹	Trial 2			Trial 3		
	Placebo + Standard of Care (n = 275)	BENLYSTA 1 mg/kg + Standard of Care ² (n = 271)	BENLYSTA 10 mg/kg + Standard of Care (n = 273)	Placebo + Standard of Care (n = 287)	BENLYSTA 1 mg/kg + Standard of Care ² (n = 288)	BENLYSTA 10 mg/kg + Standard of Care (n = 290)
SLE Responder Index	34%	41% (p = 0.104)	43% (p = 0.021)	44%	51% (p = 0.013)	58% (p < 0.001)
Odds Ratio (95% CI) vs. placebo		1.3 (0.9, 1.9)	1.5 (1.1, 2.2)		1.6 (1.1, 2.2)	1.8 (1.3, 2.6)
Components of SLE Responder Index						
Percent of patients with reduction in SELENA-SLEDAI ≥4	36%	43%	47%	46%	53%	58%
Percent of patients with no worsening by BILAG index	65%	75%	69%	73%	79%	81%
Percent of patients with no worsening by PGA	63%	73%	69%	69%	79%	80%

484 ¹Patients dropping out of the study early or experiencing certain increases in background medication were
 485 considered as failures in these analyses. In both studies, a higher proportion of placebo patients were considered as
 486 failures for this reason as compared to the BENLYSTA groups.

487 ²The 1 mg/kg dose is not recommended.

488
 489 The reduction in disease activity seen in the SRI was related primarily to improvement in the
 490 most commonly involved organ systems namely, mucocutaneous, musculoskeletal, and
 491 immunology.

492
 493 *Effect in Black/African-American Patients:*
 494 Exploratory sub-group analyses of SRI response rate in patients of black race were performed. In
 495 Trial 2 and Trial 3 combined, the SRI response rate in black patients (N=148) in the
 496 BENLYSTA groups was less than that in the placebo group (22/50 or 44% for placebo, 15/48 or
 497 31% for BENLYSTA 1 mg/kg, and 18/50 or 36% for BENLYSTA 10 mg/kg). In Trial 1, black
 498 patients (N=106) in the BENLYSTA groups did not appear to have a different response than the
 499 rest of the study population. Although no definitive conclusions can be drawn from these
 500 subgroup analyses, caution should be used when considering BENLYSTA treatment in
 501 black/African-American SLE patients.

502
 503 *Effect on Concomitant Steroid Treatment:*
 504 In Trial 2 and Trial 3, 46% and 69% of patients, respectively, were receiving prednisone at doses
 505 > 7.5 mg/day at baseline. The proportion of patients able to reduce their average prednisone dose

506 by at least 25% to ≤ 7.5 mg/day during Weeks 40 through 52 was not consistently significantly
507 different for BENLYSTA relative to placebo in both trials. In Trial 2, 17% of patients receiving
508 BENLYSTA 10 mg/kg and 19% of patients receiving BENLYSTA 1 mg/kg achieved this level
509 of steroid reduction compared with 13% of patients receiving placebo. In Trial 3, 19%, 21%, and
510 12% of patients receiving BENLYSTA 10 mg/kg, BENLYSTA 1 mg/kg, and placebo,
511 respectively, achieved this level of steroid reduction.

512

513 *Effect on Severe SLE Flares:*

514 The probability of experiencing a severe SLE flare, as defined by a modification of the SELENA
515 Trial flare criteria which excluded severe flares triggered only by an increase of the SELENA-
516 SLEDAI score to >12 , was calculated for both Trials 2 and 3. The proportion of patients having
517 at least 1 severe flare over 52 weeks was not consistently significantly different for BENLYSTA
518 relative to placebo in both trials. In Trial 2, 18% of patients receiving BENLYSTA 10 mg/kg and
519 16% of patients receiving BENLYSTA 1 mg/kg had a severe flare compared with 24% of
520 patients receiving placebo. In Trial 3, 14%, 18%, and 23% of patients receiving BENLYSTA 10
521 mg/kg, BENLYSTA 1 mg/kg and placebo, respectively, had a severe flare.

522 **16 HOW SUPPLIED/STORAGE AND HANDLING**

523 BENLYSTA is a sterile, preservative-free lyophilized powder for reconstitution, dilution, and
524 intravenous infusion provided in single-use glass vials with a latex-free rubber stopper and a
525 flip-off seal. Each 5-mL vial contains 120 mg of belimumab. Each 20-mL vial contains 400 mg
526 of belimumab.

527

528 BENLYSTA is supplied as follows:

120 mg belimumab in a 5-mL single-use vial	NDC 49401-101-01
400 mg belimumab in a 20-mL single-use vial	NDC 49401-102-01

529

530 Store vials of BENLYSTA refrigerated between 2° to 8°C (36° to 46°F). Vials should be
531 protected from light and stored in the original carton until use. *Do not freeze.* Avoid exposure to
532 heat. Do not use beyond the expiration date.

533 **17 PATIENT COUNSELING INFORMATION**

534 *See FDA-approved patient labeling (Medication Guide)*

535

536 **17.1 Advice for the Patient**

537 Patients should be given the Medication Guide for BENLYSTA and provided an opportunity to
538 read it prior to each treatment session. It is important that the patient's overall health be assessed
539 at each infusion visit and any questions resulting from the patient's reading of the Medication
540 Guide be discussed.

541

542 **Mortality:** Patients should be advised that more patients receiving BENLYSTA in the main
543 clinical trials died than did patients receiving placebo treatment [*see Warnings and Precautions*
544 (5.1)].

545

546 **Serious Infections:** Patients should be advised that BENLYSTA may decrease their ability to
547 fight infections. Patients should be asked if they have a history of chronic infections and if they
548 are currently on any therapy for an infection [*see Warnings and Precautions (5.2)*]. Patients

549 should be instructed to tell their healthcare provider if they develop signs or symptoms of an
550 infection.

551
552 **Hypersensitivity/Anaphylactic and Infusion Reactions:** Educate patients on the signs and
553 symptoms of anaphylaxis, including wheezing, difficulty breathing, peri-oral or lingual edema,
554 and rash. Patients should be instructed to immediately tell their healthcare provider if they
555 experience symptoms of an allergic reaction during or after the administration of BENLYSTA
556 *[see Warnings and Precautions (5.4, 5.5)].*

557
558 **Depression:** Patients should be instructed to contact their healthcare provider if they experience
559 new or worsening depression, suicidal thoughts or other mood changes *[see Warnings and*
560 *Precautions (5.6)].*

561
562 **Immunizations:** Patients should be informed that they should not receive live vaccines while
563 taking BENLYSTA. Response to vaccinations could be impaired by BENLYSTA *[see Warnings*
564 *and Precautions (5.7)].*

565
566 **Pregnancy and Nursing Mothers:** Patients should be informed that BENLYSTA has not been
567 studied in pregnant women or nursing mothers so the effects of BENLYSTA on pregnant women
568 or nursing infants are not known. Patients should be instructed to tell their healthcare provider if
569 they are pregnant, become pregnant, or are thinking about becoming pregnant *[see Use in*
570 *Specific Populations (8.1)].* Patients should be instructed to tell their healthcare provider if they
571 plan to breastfeed their infant *[see Use in Specific Populations (8.3)].*
572

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574 GlaxoSmithKline.

575

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577 Human Genome Sciences, Inc.
578 Rockville, Maryland 20850
579 US License No. 1820

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582 Human Genome Sciences, Inc.
583 Rockville, MD 20850

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GlaxoSmithKline
Research Triangle Park, NC 27709

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MEDICATION GUIDE

BENLYSTA[®] (ben-LIST-ah) **(belimumab)**

Injection for intravenous use

Read this Medication Guide before you start receiving BENLYSTA and before each treatment. There may be new information. This information does not take the place of talking with your healthcare provider about your medical condition or your treatment.

What is the most important information I should know about BENLYSTA?

BENLYSTA can cause serious side effects. Some of these side effects may cause death. It is not known if BENLYSTA causes these serious side effects. Tell your healthcare provider right away if you have any of the symptoms listed below while receiving BENLYSTA.

1. Infections. Symptoms of an infection can include:

- fever
- chills
- pain or burning with urination
- urinating often
- bloody diarrhea
- coughing up mucus

2. Heart Problems. Symptoms of heart problems can include:

- chest discomfort or pain
- shortness of breath
- cold sweats
- nausea
- dizziness
- discomfort in other areas of the upper body

3. Mental health problems and suicide. Symptoms of mental health problems can include:

- thoughts of suicide or dying
- attempt to commit suicide
- trouble sleeping (insomnia)
- new or worse anxiety
- new or worse depression
- acting on dangerous impulses
- other unusual changes in your behavior or mood
- thoughts of hurting yourself or others

What is BENLYSTA?

BENLYSTA is a prescription medicine used to treat adults with active systemic lupus erythematosus (SLE or lupus) who are receiving other lupus medicines.

BENLYSTA contains belimumab which is in a group of medicines called monoclonal antibodies. Lupus is a disease of the immune system (the body system that fights infection). People with active lupus often have high levels of a certain protein in their blood. BENLYSTA binds to and limits the activity of the protein. When given together with other medicines for lupus, BENLYSTA decreases lupus disease activity more than other lupus medicines alone.

- It is not known if BENLYSTA is safe and effective in people with severe active lupus nephritis or severe active central nervous system lupus.
- It is not known if BENLYSTA is safe and effective in children.

Who should not receive BENLYSTA?

Do not receive BENLYSTA if you:

- are allergic to belimumab or any of the ingredients in BENLYSTA. See the end of this Medication Guide for a complete list of ingredients in BENLYSTA.

What should I tell my healthcare provider before receiving BENLYSTA?

Before you receive BENLYSTA, tell your healthcare provider if you:

- think you have an infection or have infections that keep coming back. You should not receive BENLYSTA if you have an infection unless your healthcare provider tells you to. **See “What is the most important information I should know about BENLYSTA?”**
- have or have had mental health problems such as depression or thoughts of suicide
- have recently received a vaccination or if you think you may need a vaccination. If you are receiving BENLYSTA, you should not receive live vaccines.
- are allergic to other medicines
- are receiving other biologic medicines, monoclonal antibodies or IV infusions of cyclophosphamide (Cytosan[®])
- have or have had any type of cancer
- have any other medical conditions
- are pregnant or plan to become pregnant. It is not known if BENLYSTA will harm your unborn baby. Tell your healthcare provider if you become pregnant during your treatment with BENLYSTA.

- If you become pregnant while receiving BENLYSTA, talk to your healthcare provider about enrolling in the BENLYSTA Pregnancy Registry. You can enroll in this registry by calling 1-877-681-6296. The purpose of this registry is to monitor the health of you and your baby.
- are breastfeeding or plan to breastfeed. It is not known if BENLYSTA passes into your breast milk. You and your healthcare provider should decide if you will receive BENLYSTA or breastfeed. You should not do both.

Tell your healthcare provider about all the medicines you take, including prescription and non-prescription medicines, vitamins, and herbal supplements.

Know the medicines you take. Keep a list of your medicines with you to show to your healthcare provider and pharmacist when you get a new medicine.

How will I receive BENLYSTA?

- You will be given BENLYSTA by a healthcare provider through a needle placed in a vein (IV infusion). It takes about 1 hour to give you the full dose of BENLYSTA.
- Your healthcare provider will tell you how often you should receive BENLYSTA.
- Your healthcare provider may give you medicines before you receive BENLYSTA to help reduce your chance of having a reaction. A healthcare provider will watch you closely while you are receiving BENLYSTA and after your infusion for signs of a reaction.

What are the possible side effects of BENLYSTA?

BENLYSTA can cause serious side effects.

- **See “What is the most important information I should know about BENLYSTA?”**
- **Cancer.** BENLYSTA may reduce the activity of your immune system. Medicines that affect the immune system may increase your risk of certain cancers.
- **Allergic (hypersensitivity) and infusion reactions.** Serious allergic or infusion reactions can happen on the day of or the day after receiving BENLYSTA and may cause death. Tell your healthcare provider right away if you have any of the following symptoms of an allergic or infusion reaction:
 - itching
 - swelling of the face, lips, mouth, tongue, or throat
 - trouble breathing

- anxiousness
- low blood pressure
- dizziness or fainting
- headache
- nausea
- skin rash, redness, or swelling

Your healthcare provider will watch you closely while you are receiving BENLYSTA and after your infusion for signs of a reaction.

The most common side effects of BENLYSTA include:

- nausea
- diarrhea
- fever
- stuffy or runny nose
- sore throat
- cough (bronchitis)
- trouble sleeping
- leg or arm pain
- headache (migraine)
- urinary tract infection
- decreased white blood cell count (leukopenia)
- vomiting
- stomach pain

Tell your healthcare provider if you have any side effect that bothers you or that does not go away.

These are not all the possible side effects of BENLYSTA. For more information, ask your healthcare provider.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

General information about the safe and effective use of BENLYSTA

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use BENLYSTA for a condition for which it was not prescribed.

This Medication Guide summarizes the most important information about BENLYSTA. For more information about BENLYSTA, talk with your healthcare provider.

You can ask your healthcare provider or pharmacist for information about BENLYSTA that is written for healthcare professionals.

For more information about BENLYSTA, go to www.BENLYSTA.com or call 1-877-423-6597.

What are the ingredients in BENLYSTA?

Active ingredient: belimumab.

Inactive ingredients: citric acid, polysorbate 80, sodium citrate, sucrose.

RX Only

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Rockville, MD 20850



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Research Triangle Park, NC 27709

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