CLAIMS

1. An antibody for use in treatment of rheumatoid arthritis in a subject in need thereof, wherein,
   (i) the subject has not previously been administered tocilizumab or has been administered tocilizumab for less than three months, and does not have anemia; and
   (ii) the antibody is administered at
      a. 162 mg of tocilizumab once per week subcutaneously to the subject; or
      b. 8 mg/kg of tocilizumab once every 4 weeks intravenously to the subject.

2. An antibody for use in treatment of rheumatoid arthritis in a subject in need thereof, wherein
   (i) the subject has not previously been administered tocilizumab or has been administered tocilizumab for less than three months, and is from 18 to 34 years old; and
   (ii) the antibody is administered at
      a. 162 mg of tocilizumab once per week subcutaneously to the subject; or
      b. 8 mg/kg of tocilizumab once every 4 weeks intravenously to the subject.

3. An antibody for use in treatment of rheumatoid arthritis in a subject in need thereof, wherein
   (i) the subject has not previously been administered tocilizumab or has been administered tocilizumab for less than three months, and has not been administered a corticosteroid within 90 days; and
   (ii) the antibody is administered at
      a. 162 mg of tocilizumab once per week subcutaneously to the subject; or
      b. 8 mg/kg of tocilizumab once every 4 weeks intravenously to the subject.

4. An antibody for use in treatment of rheumatoid arthritis in a subject in need thereof, wherein
   (i) the subject has not previously been administered tocilizumab or has been administered tocilizumab for less than three months, and has depression; and
   (ii) the antibody is administered at

a. 162 mg of tocilizumab once per week subcutaneously to the subject; or
b. 8 mg/kg of tocilizumab once every 4 weeks intravenously to the subject.

5. The antibody for use according to any one of claims 1-4, wherein the antibody is administered at162 mg of tocilizumab once per week subcutaneously to the subject.

6. The antibody for use according to any one of claims 1-5, wherein the antibody is administered at8 mg/kg of tocilizumab once every 4 weeks intravenously to the subject.

7. The antibody for use according to any one of claims 1-6, wherein the subject has moderately-to-severely active rheumatoid arthritis.

8. The antibody for use according to any one of claims 1-7, wherein the subject has not been administered sarilumab.

9. The antibody for use according to any one of claims 1-8, wherein the subject weighs less than 100 kg.

10. The antibody for use according to any one of claims 1-9, wherein the subject does not have ankylosing spondylitis, Crohn's disease, juvenile idiopathic arthritis, psoriasis, psoriatic arthritis, ulcerative colitis, chronic lymphocytic leukemia, non-Hodgkin's lymphoma, or giant-cell arteritis.

11. The antibody for use according to any one of claims 1, 2, and 5-10, wherein the subject does not have anemia and is from 18 to 34 years old.

12. The antibody for use according to any one of claims 1, 3, and 5-10, wherein the subject does not have anemia and has not been administered a corticosteroid within 90 days.

13. The antibody for use according to any one of claims 1, 2, and 5-10, wherein the subject is from 18 to 34 years old and has not been administered a corticosteroid within 90 days.

14. The antibody for use according to any one of claims 1-3 and 5-10, wherein the subject does not have anemia, has not been administered a corticosteroid within 90 days, and is from 18 to 34 years old.

15. The antibody for use according to any one of claims 1 and 4-10, wherein the subject does not have anemia and has depression.

16. The antibody for use according to any one of claims 3-10, wherein the subject has depression and has not been administered a corticosteroid within 90 days.

17. The antibody for use according to any one of claims 2 and 4-10, wherein the subject is from 18 to 34 years old and has depression.

18. The antibody for use according to any one of claims 1, 2, and 4-10, wherein the subject does not have anemia, has depression and is from 18 to 34 years old.

19. The antibody for use according to any one of claims 1 and 4-10, wherein the subject does not have anemia, has depression, and has not been administered a corticosteroid within 90 days.

20. The antibody for use according to any one of claims 1, 2, and 4-10, wherein the subject is from 18 to 34 years old, has depression, and has not been administered a corticosteroid within 90 days.

21. The antibody for use according to any one of claims 1-20, wherein the subject subject does not have anemia, has not been administered a corticosteroid within 90 days, is from 18 to 34 years old, and has depression.

22. The antibody for use according to any one of claims 3, 5-10, 12, 13, 14, 16, and 19-20, wherein the within 90 days is within 90 days of the subject's first administration of tocilizumab.

23. The antibody for use according to any one of claims 3, 5-10, 12, 13, 14, 16, and 19-22, wherein the corticosteroid is prednisone.

24. The antibody for use according to any one of claims 1-23, wherein the subject is not administered any other DMARD in course of administration with tocilizumab.

25. The antibody ritis according to any one of claims 1-23, wherein the subject is also administered one or more additional DMARDs with tocilizumab.

26. The antibody for use according to claim 25, wherein the one or more additional DMARDs comprise methotrexate.

27. The antibody for use according to any one of claims 1-26, wherein the subject previously had an inadequate response to a conventional synthetic DMARD or a biologic DMARD.

28. The antibody for use according to claim 27, wherein the conventional synthetic DMARD is methotrexate.

29. The antibody for use according to claim 27, wherein the biologic DMARD is a TNFα inhibitor.

30. The antibody for use according to claim 29, where the TNFα inhibitor is adalimumab.

31. The antibody for use according to any one of claims 1-30, wherein the subject has not previously been administered tocilizumab.

32. The antibody for use according to any one of claims 1-30, wherein the subject has been administered tocilizumab for less than three months.

33. The antibody for use according to claim 32, wherein the subject has been administered tocilizumab for less than two months.

34. The antibody for use according to claim 32, wherein the subject has been administered tocilizumab for less than one month.

35. The antibody for use according to any one of claims 1-35, wherein the subject is female.

36. A method of treating rheumatoid arthritis, comprising

(iii) selecting a subject who has not previously been administered tocilizumab or who has been administered tocilizumab for less than three months, and who does not have anemia; and

(iv) administering

c. 162 mg of tocilizumab once per week to the subject, wherein the tocilizumab is administered subcutaneously; or

d. 8 mg/kg of tocilizumab once every 4 weeks to the subject, wherein the tocilizumab is administered intravenously.

37. A method of treating rheumatoid arthritis, comprising

(iii) selecting a subject who has not previously been administered tocilizumab or who has been administered tocilizumab for less than three months, and who is from 18 to 34 years old; and

(iv) administering

c. 162 mg of tocilizumab once per week to the subject, wherein the tocilizumab is administered subcutaneously; or

d. 8 mg/kg of tocilizumab once every 4 weeks to the subject, wherein the tocilizumab is administered intravenously.

38. A method of treating rheumatoid arthritis, comprising

(iii) selecting a subject who has not previously been administered tocilizumab or who has been administered tocilizumab for less than three months, and who has not been administered a corticosteroid within 90 days; and

(iv) administering

c. 162 mg of tocilizumab once per week to the subject, wherein the tocilizumab is administered subcutaneously; or

d. 8 mg/kg of tocilizumab once every 4 weeks to the subject, wherein the tocilizumab is administered intravenously.

39. A method of treating rheumatoid arthritis, comprising

(iii) selecting a subject who has not previously been administered tocilizumab or who has been administered tocilizumab for less than three months, and who has depression; and

(iv) administering

c. 162 mg of tocilizumab once per week to the subject, wherein the tocilizumab is administered subcutaneously; or

d. 8 mg/kg of tocilizumab once every 4 weeks to the subject, wherein the tocilizumab is administered intravenously.

40. The method of any one of claims 36-39, wherein step (ii) comprises administering 162 mg of tocilizumab once per week to the subject, wherein the tocilizumab is administered subcutaneously.

41. The method of any one of claims 36-40, wherein step (ii) comprises administering 8 mg/kg of tocilizumab once every 4 weeks to the subject, wherein the tocilizumab is administered intravenously.

42. The method of any one of claims 36-41, wherein the subject has moderately-to-severely active rheumatoid arthritis.

43. The method of any one of claims 36-42, wherein the subject has not been administered sarilumab.

44. The method of any one of claims 36-43, wherein the subject weighs less than 100 kg.

45. The method of any one of claims 36-44, wherein the subject does not have ankylosing spondylitis, Crohn's disease, juvenile idiopathic arthritis, psoriasis, psoriatic arthritis, ulcerative colitis, chronic lymphocytic leukemia, non-Hodgkin's lymphoma, or giant-cell arteritis.

46. The method of any one of claims 36, 37, and 40-45, wherein the subject is selected if the subject does not have anemia and is from 18 to 34 years old.

47. The method of any one of claims 36, 38, and 40-45, wherein the subject is selected if the subject does not have anemia and has not been administered a corticosteroid within 90 days.

48. The method of any one of claims 36, 37, and 40-45, wherein the subject is selected if the subject is from 18 to 34 years old and has not been administered a corticosteroid within 90 days.

49. The method of any one of claims 36, 37and 39-45, wherein the subject is selected if the subject does not have anemia, has not been administered a corticosteroid within 90 days, and is from 18 to 34 years old.

50. The method of any one of claims 36 and 39-45, wherein the subject is selected if the subject does not have anemia and has depression.

51. The method of any one of claims 38-45, wherein the subject is selected if the subject has depression and has not been administered a corticosteroid within 90 days.

52. The method of any one of claims 37 and 39-45, wherein the subject is selected if the subject is from 18 to 34 years old and has depression.

53. The method of any one of claims 36, 37, and 39-45, wherein the subject is selected if the subject does not have anemia, has depression and is from 18 to 34 years old.

54. The method of any one of claims 36 and 39-45, wherein the subject is selected if the subject does not have anemia, has depression, and has not been administered a corticosteroid within 90 days.

55. The method of any one of claims 36, 37, and 39-45, wherein the subject is selected if the subject is from 18 to 34 years old, has depression, and has not been administered a corticosteroid within 90 days.

56. The method of any one of claims 36-55, wherein the subject is selected if the subject does not have anemia, has not been administered a corticosteroid within 90 days, is from 18 to 34 years old, and has depression.

57. The method of any one of claims 38, 40-45, 47, 48, 49, 51, and 54-55, wherein the within 90 days is within 90 days of the subject's first administration of tocilizumab.

58. The method of any one of claims 38, 40-45, 47, 48, 49, 51, and 54-55, wherein the within 90 days is within 90 days of the selection.

59. The method of any one of claims 38, 40-45, 47, 48, 49, 51, and 54-55, wherein the corticosteroid is prednisone.

60. The method of any one of claims 36-59, wherein the subject is not administered any other DMARD in course of administration with tocilizumab.

61. The method of any one of claims 36-59, wherein the subject is also administered one or more additional DMARDs with tocilizumab.

62. The method of claim 61, wherein the one or more additional DMARDs comprise methotrexate.

63. The method of any one of claims 36-62, wherein the subject previously had an inadequate response to a conventional synthetic DMARD or a biologic DMARD.

64. The method of claim 63, wherein the conventional synthetic DMARD is methotrexate.

65. The method of claim 63, wherein the biologic DMARD is a TNFα inhibitor.

66. The method of claim 65, where the TNFα inhibitor is adalimumab.

67. The method of any one of claims 36-66, wherein the subject has not previously been administered tocilizumab.

68. The method of any one of claims 36-66, wherein the subject has been administered tocilizumab for less than three months.

69. The method of claim 66, wherein the subject has been administered tocilizumab for less than two months.

70. The method of claim 66, wherein the subject has been administered tocilizumab for less than one month.

71. The method of any one of claims 36-70, wherein the subject is female.