

(ii) a light chain, which

(a) has an amino acid sequence which is at least 90% or at least 95% identical to the amino acid sequence of SEQ ID NO: 16, and

5 (b) comprises the complementarity-determining regions (CDRs) CDR-L1 having the amino acid sequence of SEQ ID NO: 4, CDR-L2 having the amino acid sequence of SEQ ID NO: 5 and CDR-L3 having the amino acid sequence of SEQ ID NO: 6.

Embodiment 18. An antibody capable of binding to MUC1, which comprises

10 (i) a heavy chain, which has the amino acid sequence of SEQ ID NO: 15 or SEQ ID NO: 22, and

(ii) a light chain, which has the amino acid sequence of SEQ ID NO: 16.

Embodiment 19. An antibody capable of binding to MUC1, which comprises

(i) a heavy chain, which

15 (a) has an amino acid sequence which is at least 90% or at least 95% identical to the amino acid sequence of SEQ ID NO: 19, and

(b) comprises the complementarity-determining regions (CDRs) CDR-H1 having the amino acid sequence of SEQ ID NO: 1, CDR-H2 having the amino acid sequence of SEQ ID NO: 8 and CDR-H3 having the amino acid sequence of SEQ ID NO: 3, and

20 (ii) a light chain, which

(a) has an amino acid sequence which is at least 90% or 95% identical to the amino acid sequence of SEQ ID NO: 16, and

25 (b) comprises the complementarity-determining regions (CDRs) CDR-L1 having the amino acid sequence of SEQ ID NO: 4, CDR-L2 having the amino acid sequence of SEQ ID NO: 5 and CDR-L3 having the amino acid sequence of SEQ ID NO: 6.

Embodiment 20. An antibody capable of binding to MUC1, which comprises

(i) a heavy chain, which has the amino acid sequence of SEQ ID NO: 19, and

(ii) a light chain, which has amino acid sequence of SEQ ID NO: 16.

Embodiment 21. The antibody according to any one of Embodiments 1 to 20, wherein the antibody comprises at least one heavy chain, comprising the heavy chain variable region, a CH1 domain, a hinge region, a CH2 domain and a CH3 domain.

5 Embodiment 22. The antibody according to any one of Embodiments 1 to 20, wherein the antibody comprises two heavy chains, each comprising the heavy chain variable region, a CH1 domain, a hinge region, a CH2 domain and a CH3 domain.

Embodiment 23. The antibody according to Embodiment 21 or 22, wherein the antibody is an IgG-type antibody, in particular an IgG1, IgG2 or IgG4-type antibody.

10 Embodiment 24. The antibody according to any one of Embodiments 1 to 23, wherein the antibody comprises at least one light chain, comprising the light chain variable region and a CL domain.

15 Embodiment 25. The antibody according to any one of Embodiments 1 to 23, wherein the antibody comprises two light chains, each comprising the light chain variable region and a CL domain.

Embodiment 26. The antibody according to Embodiment 24 or 25, wherein the light chain is a κ -type light chain.

Embodiment 27. The antibody according to any one of Embodiments 1 to 26, wherein the antibody does not comprise an N-glycosylation site in the CH2 domain.

20 Embodiment 28. The antibody according to any one of Embodiments 1 to 26, wherein the antibody comprises an N-glycosylation site in the CH2 domain of the antibody heavy chains.

Embodiment 29. The antibody according to Embodiment 28, wherein the antibody has a glycosylation pattern having one or more of the following characteristics

25 (i) a relative amount of glycans carrying a bisecting GlcNAc residue of at least 0.5% of the total amount of glycans attached to the glycosylation sites of the antibody in a composition;

30 (ii) a relative amount of glycans carrying at least one galactose residue of at least 30% of the total amount of glycans attached to the glycosylation sites of the antibody in a composition;