

Claims

1. An antibody comprising a heavy chain variable domain and a light chain variable domain, wherein
 - 5 a) the heavy chain variable domain (VH domain) comprises SEQ ID NO:2 with four or fewer additional alterations in the framework regions, and
 - b) the light chain variable domain (VK domain) comprises SEQ ID NO:6 with four or fewer additional alterations in the framework regions.
- 10 2. An antibody according to claim 1 wherein the antibody binds amyloid peptides A β pE3-42 and A β 4-42 and does not bind amyloid peptide A β 1-42.
3. An antibody according to any one of the preceding claims wherein the VH domain comprises SEQ ID NO: 2 and the VL domain comprises SEQ ID NO: 6.
- 15 4. An antibody according to any one of claims 1 to 3 wherein the heavy chain variable domain comprises SEQ ID NO: 3 with four or fewer additional alterations in the framework regions, optionally, wherein the heavy chain variable domain comprises SEQ ID NO: 3
- 20 5. An antibody according to any one of claims 1 to 3 wherein the heavy chain variable domain comprises SEQ ID NO: 4 with four or fewer additional alterations in the framework regions, optionally, wherein the heavy chain variable domain comprises SEQ ID NO: 4.
- 25 6. An antibody according to any one of claims 1 to 3 wherein the heavy chain variable domain comprises SEQ ID NO: 5 with four or fewer additional alterations, such as substitutions, in the framework regions, optionally wherein the heavy chain variable domain comprises SEQ ID NO: 5.
- 30 7. An antibody according to any one of claims 1 to 6 wherein the light chain variable domain comprises SEQ ID NO: 7 with four or fewer additional alterations, such as substitutions, in the framework regions, optionally wherein the light chain variable domain comprises SEQ ID NO: 7.

8. An antibody according to any one of claims 1 to 6 wherein the light chain variable domain comprises SEQ ID NO: 8 with four or fewer additional alterations, such as substitutions, in the framework regions, optionally wherein the light chain variable domain comprises SEQ ID NO: 8.

5

9. An antibody according to any one of claims 1 to 3 comprising the VH domain of SEQ ID NO: 3 and the VK domain of SEQ ID NO: 7.

10. An antibody according to any one of claims 1 to 3 comprising the VH domain of SEQ ID NO: 4 and the VK domain of SEQ ID NO: 7.

10

11. An antibody according to any one of claims 1 to 3 comprising the VH domain of SEQ ID NO: 5 and the VK domain of SEQ ID NO: 8.

12. An antibody according to any one of claims 1 to 3 comprising the VH domain of SEQ ID NO: 5 and the VK domain of SEQ ID NO: 7.

15

13. A pharmaceutical composition comprising an antibody according to any one of the preceding claims with a pharmaceutically acceptable carrier.

20

14. An antibody according to any one of claims 1 to 12 or the pharmaceutical composition of claim 13, for use in a method of treatment of the human or animal body.

15. An antibody according to any one of claims 1 to 12 or the pharmaceutical composition of claim 13, for use in a method of treatment of Alzheimer's disease in an individual.

25

16. Use of an antibody according to any one of claims 1 to 12 or the pharmaceutical composition of claim 13 in the preparation of a medicament for the treatment of Alzheimer's disease in an individual.

30