



Mouse Anti-human Amyloid Beta Peptide N-terminal Antibody Datasheet

Product Name: mAb anti-human amyloid beta peptide N-terminal

Clone No.: NT 1F10

Catalogue No.: MO-M40094J

Quantity: 0.5 mg/vial

Description: Mouse monoclonal antibody against **N-terminal** sequence of human amyloid beta peptides

Purification: Protein G affinity purified

Product Type: Primary antibody

Target Protein: Human beta amyloid peptide 42

Immunogen: Full length human beta amyloid peptide 42

Fusion Myeloma: Sp2/O-Ag14

Specificity: This antibody reacts with the N-terminal peptide (DAEFRHDS) of human beta amyloid peptides and also reacts with full length A β 40, A β 42 and A β 43.

Species Reactivity: Human

Host / Isotype: Mouse, IgG2b Kappa

Formulation: Lyophilized from a solution in 0.01M PBS pH7.2

Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

Storage: Store at -20°C

Research Area: Aging and neurodegenerative diseases

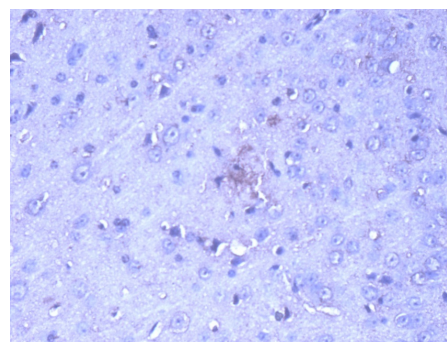
Background: Amyloid beta peptides A β 42 and A β 40 have been investigated extensively for predicating Alzheimer's disease. A recent study on amyloid beta peptide A β 43 in brain showed that A β 43 is more

fibrillogenic than other amyloid beta peptides and could be more useful as a biomarker or therapeutic target for Alzheimer's disease.

Since A β 40, A β 42 and A β 43 are different only at the few C-end amino acids, antibody to N-terminal sequence can bind with all three amyloid beta peptides.

Applications:

IHC: The picture below shows the 40x amplified brain tissue section from transgenic Alzheimer's disease mouse model after IHC staining with clone NT 1F10.



(Procedure: After heat induced epitope retrieval, formalin-fixed paraffin-embedded brain tissue section from 12 month old APPswe/PSEN1dE9 mouse was incubated at 4°C with 0.01mg/ml NT 1F10 overnight. Bound antibody was detected using a HRP-labeled goat anti-mouse antibody.)

References:

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