



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

**Product Name:** mAb anti-human amyloid beta peptide N-terminal      **Clone No.:** NT 4B7

**Catalogue No.:** MO-M40094H      **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 43

**Immunogen:** Full length human beta amyloid peptide 43

**Fusion Myeloma:** Sp2/0-Ag14

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

**Species Reactivity:** Human

**Host / Isotype:** Mouse, IgG2a 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

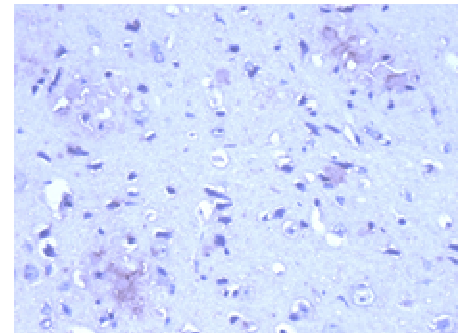
**Background:** Amyloid beta peptides A $\beta$ 42 and A $\beta$ 40 have been investigated extensively for predicating Alzheimer's disease. A recent study on amyloid beta peptide A $\beta$ 43 in brain showed that A $\beta$ 43 is more

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

Since A $\beta$ 40, A $\beta$ 42 and A $\beta$ 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 4B7.



(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 4B7 overnight. Bound antibody was detected using a HRP-labeled goat anti-mouse antibody.)

### References:

If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

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