



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

Product Name: mAb anti-human amyloid beta peptide N-terminal **Clone No.:** NT 5A4

Catalogue No.: MO-M40094G **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 β 40, A β 42 and A β 43.

Species: Human

Reactivity:

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

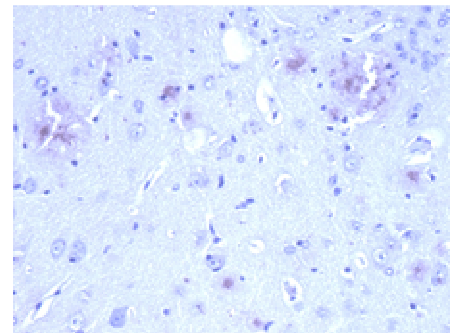
Research Area: Aging and neurodegenerative diseases

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 5A4.



(Procedure: After heat induced epitope retrieval, formalin-fixed paraffin-embedded brain tissue section from 12 month old APP^{swe}/PSEN1^{dE9} mouse was incubated at 4°C with 0.01mg/ml NT 5A4 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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