



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

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

Clone No.: NT 5B8

Catalogue No.: MO-M40094D

Quantity: 0.5 mg/vial

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

Purification: Protein G affinity purified

Target Protein: Human beta amyloid peptide 42

Immunogen: Full length human beta amyloid peptide 42

Fusion Myeloma: Sp2/0-Ag14

Specificity: This antibody recognizes 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 Human

Reactivity:

Host / Isotype: Mouse, IgG1 Kappa

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

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

Storage: Store at -20°C

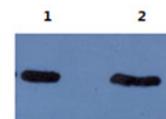
Research Area: Aging and neurodegenerative diseases

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: **Western blot:**

The following image is the result of using mAb 5B8 ascites at 1:5000 dilution to detect A β 40 and A β 42 on Western blot. Lane 1: A β 42, Lane 2: A β 40.



ELISA: The antibody reacts with full length A β 40, A β 42 and A β 43

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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