



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

Product Name: mAb anti-human amyloid beta peptide N-terminal **Clone No.:** NT 1H3

Catalogue No.: MO-M40094B **Quantity:** 0.5 mg/vial

Description:	Mouse monoclonal antibody against N-terminal sequence of human amyloid beta peptides	Research Area:	Aging and neurodegenerative diseases
Purification:	Protein G affinity purified	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.
Target Protein:	Human beta amyloid peptide 43		
Immunogen:	Full length human beta amyloid peptide 43		
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.		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.
Species Reactivity:	Human	Applications:	Immunohistochemistry
Host / Isotype:	Mouse, IgG1 Kappa		ELISA
Formulation:	Lyophilized from a solution in 0.01M PBS pH7.2	References:	1. Y Zhang et al., <u>Amyloid-β induces hepatic insulin resistance in vivo via JAK2</u> . Diabetes (2013) 62, 4:1159-1166
Reconstitution:	Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.		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.
Storage:	Store at -20°C		

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

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