



Mouse Anti- Amyloid Beta Peptide 40 Monoclonal Antibody Datasheet

Product Name: mAb anti- Amyloid Beta Peptide 40

Clone No.: CV9 8B2

Catalogue No.: MO-M40095B

Quantity: 0.5 mg/vial

Description: Mouse monoclonal antibody to C-terminal of amyloid beta peptide 40 (A β 40)

Purification: Protein G affinity purified

Product Type: Primary antibody

Target Protein: C-terminal of amyloid beta peptide 40

Immunogen: KLH conjugated to a short peptide (GLMVGGVV) with amino acid sequence corresponding to the C-terminal of A β 40

Fusion Myeloma: Sp2/0-Ag14

Specificity: This antibody recognizes the C-terminal sequence (GLMVGGVV) of A β 40 and full length A β 40.

Species Reactivity: Human and other primates; mouse, rat

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: A β 40 and A β 42 are the two major amyloid peptides formed after cleavage of amyloid precursor protein. In blood and cerebrospinal fluid, the concentration of A β 40 is about 10 times higher than that of A β 42. A β 40 is the main component in the amyloid deposit of vascular amyloid angiopathy. Detection of A β 40 is useful for the prediction of Alzheimer's disease. Lower than normal A β 42/A β 40 ratio in cerebrospinal fluid was found to be associated with increased risk of mild cognitive impairment and Alzheimer's disease.

Applications: **ELISA:** The antibody can detect A β 40 in ELISA.

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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