Biotin Conjugated Mouse Anti- Amyloid Beta Peptide 42 Monoclonal Antibody Datasheet

Product Name: Biotin conjugated mAb anti- Amyloid Beta Peptide 42 Clone No.: CA9 10H11

Catalogue No.: MO-M40093TB Quantity: 0.1 mL/vial

Description: Biotin conjugated mouse monoclonal

antibody to C-terminal of amyloid beta

peptide 42 (Aβ42)

Purification: Protein G affinity purified

Product Type Tracer antibody in matched antibody

pair, biotin conjugated.

Target Protein: C-terminal of amyloid beta peptide 42

Immunogen: KLH conjugated to a short peptide

(MVGGVVIA) with amino acid sequence corresponding to the C-terminal of Aβ42

Fusion Sp2/0-Ag14

Myeloma:

Specificity: This antibody recognizes the C-terminal

sequence (MVGGVVIA) of Aβ42 and full

length A β 42.

Cross- The antibody does not cross react with **Reactivity:** amyloid beta peptide 40 in dot blotting

and ELISA. Cross-reactivity to amyloid beta peptide 43 is less than 1% in ELISA.

Species Human and other primates; mouse, rat

Reactivity:

Host / Isotype: Mouse, IgG2b Kappa

Storage Buffer 0.01M PBS, pH 7.0 ± 0.1 in 1% gelatin

Formulation: and 0.1% proclin-300

Storage: Store at -20°C. Avoid repeated freeze

and thaw cycles.

Research Aging and neurodegenerative diseases

Area:

Background: Amyloid beta peptide 42 (A β 42) is best

known for its role in the formation of senile plaques in the brain of patients with Alzheimer's disease. A β 42 and A β 40 are the two major amyloid peptides that are produced after

peptides that are produced after cleavage of amyloid precursor protein by secretases. A β 42 (42 amino acids) is very fibrillogenic. The beta pleated structure of A β 42 constituents the initial and key component of the insoluble amyloid fibril in senile plaque. It is widely accepted that A β 42 contributes to the pathogenesis of Alzheimer's disease. One proposition is that the deposition of amyloid fibril onto the brain tissue results in Alzheimer's disease. Another is that the

neurotoxicity of A β 42 oligomer is the

cause of the disease.

Applications: ELISA: In combination with capturer

anti-amyloid peptide N-terminal antibody (mAb clone NT 4A2, Cat. No.: MO-M40094E) and avidin-HRP conjugated, this biotin conjugated antibody can detect Aβ42 in Sandwich

ELISA assay.

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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Page 1 of 1 page(s)

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