Purified anti-Amyloid Fibril (pan reactive)

Catalog # / Size: 812201 / 50 µl
Previously: Covance Catalog# MMS-5037
Clone: B10AP
Isotype: Synthetic
Reactivity: Broad species reactivity
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution containing 20 mM NaH2PO4, 175 mM NaCL, and in pH 8.
Concentration: 1 mg/ml
Storage: The antibody solution should be stored undiluted between 2°C and 8°C.

Please note the storage condition for this antibody has been changed from -20°C to between 2°C and 8°C. You can also check your vial or your CoA to find the most accurate storage condition for this antibody.

Applications:
Applications: IHC, ELISA

Recommended Usage: Each lot of this antibody is quality control tested by immunohistochemical staining.

The optimal working dilution should be determined for each specific assay condition.
• IHC: 1:100

Tissue: Formalin-fixed Paraffin-embedded
Pre-treatment: Citrate
Primary incubation: 24 hours at 4°C

Application Notes: This antibody is effective in immunohistochemistry (IHC) and ELISA.

We suggest a quick spin prior to use to ensure liquid is pulled to the bottom of the vial

IHC Positive Control: Alzheimer’s Brain Tissue

The antibody is a synthetic single chain antibody and its domain distinguishes Aβ amyloid fibrils from disaggregated Aβ peptide as well as from specific Aβ oligomers. It binds only to Aβ peptide when it is present in the form of amyloid fibrils or protofibrils, but not when it is freshly dissolved and putatively monomeric. It possesses functional activity in preventing the formation of mature amyloid fibrils by stabilizing Aβ protofibrils. This antibody also binds to serum amyloid A, α-Synuclein, and Tau protein fibrils. The antibody will react to any amyloid fibril containing negatively-charged side chain(s) within their aggregation domains.

Application References:

Description: Amyloid fibrils are β-sheet rich insoluble extracellular aggregates, which are generated by unrelated peptides and proteins, and are most commonly associated with neurodegenerative diseases, such as Ab amyloid fibrils in Alzheimer’s disease. Some amyloid fibrils are not pathogenic, but are naturally produced for physiological functions, such as melanin synthesis.

Other Names: Aggregated Protein Fibril, Amyloid Fibril, Cross-Beta Sheet Protein, APP, Amyloid Precursor Protein

Related Products:

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