bs-0106M **[Primary Antibody]**

beta Amyloid 1-40 Mouse pAb

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DATASHEET

Host: Mouse **Isotype:** IgG

Clonality: Polyclonal

GeneID: 351 **SWISS:** P05067

Target: beta Amyloid 1-40

Immunogen: KLH conjugated synthetic peptide of human beta-Amyloid: 1-40/42.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The cerebral and vascular plaques associated with Alzheimer's disease are mainly composed of Amyloid beta peptides. beta Amyloid is derived from cleavage of the Amyloid precursor protein and varies in length from 39 to 43 amino acids. beta Amyloid [1-40], beta Amyloid [1-42], and beta Amyloid [1-43] peptides result from cleavage of Amyloid precursor protein after residues 40, 42, and 43, respectively. The cleavage takes place by gamma-secretase during the last Amyloid precursor protein processing step. beta Amyloid [1-40], beta Amyloid [1-42], and beta Amyloid [1-43] peptides are major constituents of the plaques and tangles that occur in Alzheimer's disease. beta Amyloid antibodies and peptides have been developed as tools for elucidating the biology of Alzheimer's disease.

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Cow, Chicken, Dog)

Predicted MW.: 4.4 kDa

Subcellular Location: Cell membrane

SELECTED CITATIONS

- **[IF=14.3]** Mengni Bao. et al. PICALM Regulating the Generation of Amyloid β-Peptide to Promote Anthracycline-Induced Cardiotoxicity. ADV SCI. 2024 Jun;:2401945 IHC ;Mouse. 38935046
- **[IF=14.3]** Mengni Bao. et al.PICALM Regulating the Generation of Amyloid β-Peptide to Promote Anthracycline - Induced Cardiotoxicity.adv sci (weinh).2024 Aug;11(32):e2401945. IHC ;Mouse. 38935046
- **[IF=4.6]** Si Yu. et al. Electropositive Citric Acid-Polyethyleneimine Carbon Dots Carrying the PINK1 Gene Regulate ATP-Related Metabolic Dysfunction in APP/PS1-N2a Cells. MOLECULES. 2024 Jan;29(9):1907 IF ;Mouse. 38731398