

bsm-0107M**[Primary Antibody]****BioSS**
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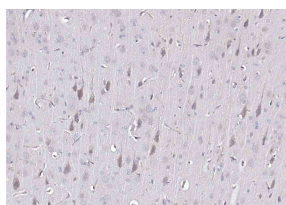
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beta-Amyloid (1-42) Mouse mAb**— DATASHEET —**

Host: Mouse	Isotype: IgG2b	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Rat (predicted: Human, Mouse) Predicted MW.: 4.4 kDa Subcellular Location: Cell membrane
Clonality: Monoclonal	CloneNo.: 2E5	
GeneID: 351	SWISS: P05067	
Target: beta-Amyloid (1-42)		
Immunogen: KLH conjugated synthetic peptide derived from human beta-Amyloid: 672-713/770 or 1-42/42.		
Purification: affinity purified by Protein A		
Storage: Size : 50ul/100ul/200ul 0.01M PBS (pH7.4). Size : 200ug (PBS only) 0.01M PBS 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.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (beta-Amyloid (1-42)) Monoclonal Antibody, Unconjugated (bsm-0107M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=5.8]** Chatterjee Kaberi. et al. Vitamin K2 protects against aluminium chloride-mediated neurodegeneration. INFLAMMOPHARMACOLOGY. 2023 Jul;:1-10 WB ;Mouse. 37477796
- **[IF=4.545]** Kai Kanget al. FGF21 attenuates neurodegeneration through modulating neuroinflammation and oxidant-

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

stress. Biomed Pharmacother . 2020 Sep;129:110439. ELISA ;mouse. 32768941