bsm-2864M **[Primary Antibody]**

beta-Amyloid (1-40) Mouse mAb

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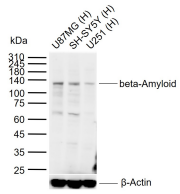
DATASHEET

Host: Mouse
Isotype: IgG
Clonality: Monoclonal
CloneNo.: 3D12
GeneID: 351
SWISS: P05067
Target: beta-Amyloid (1-40)
Immunogen: KLH conjugated synthetic peptide derived from human beta-Amyloid (1-40): 1-40/42. < Cytoplasmic >
Purification: affinity purified by Protein A
Concentration: 1mg/ml
Storage: Size : 50ul/100ul/200ul
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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.

Applications: **WB** (1:500-2000)
Reactivity: Human (predicted: Mouse, Rat)
Predicted MW.: 4.2 kDa
Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Human U87MG cell lysates Lane 2: Human SH-SY5Y cell lysates Lane 3: Human U251 cell lysates Primary: Anti-beta-Amyloid (1-40) (bsm-2864M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 4.2 kDa Observed band size: 130 kDa