



## beta Amyloid Monoclonal Antibody (BAM-10)

Catalog Number MA1-91209

Product Data Sheet

Details		Species Reactivity	
<b>Size</b>	500µL	<b>Tested species reactivity</b>	Human
<b>Host / Isotype</b>	Mouse / IgG1	<b>Tested Applications</b>	<b>Dilution *</b>
<b>Class</b>	Monoclonal	<b>Immunohistochemistry (Frozen) (IHC (F))</b>	Assay dependent
<b>Type</b>	Antibody	<b>Immunohistochemistry (Paraffin) (IHC (P))</b>	Assay dependent
<b>Clone</b>	BAM-10	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
<b>Immunogen</b>	Synthetic peptide conjugated to KLH, corresponding to amino acids 1-40 of beta Amyloid.		
<b>Conjugate</b>	Unconjugated		
<b>Form</b>	Liquid		
<b>Purification</b>	Protein A		
<b>Storage Buffer</b>	PBS		
<b>Contains</b>	sodium azide		
<b>Storage Conditions</b>	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

### Product Specific Information

MA1-91209 detects beta Amyloid from human samples.

MA1-91209 has been successfully used in immunohistochemistry (frozen tissue), and immunohistochemistry (paraffin tissue) applications.

The MA1-91209 immunogen is synthetic peptide conjugated to KLH, corresponding to amino acids 1-40 of beta Amyloid.

### Background/Target Information

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.

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