

AM00793PU-N**Monoclonal Antibody to Amyloid beta (1-8) - Purified**

Alternate names:	Amyloid beta peptide
Quantity:	0.2 ml
Concentration:	1.0 mg/ml
Background:	<p>Amyloid beta precursor protein gene (ABPP) encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Multiple transcript variants encoding several different isoforms have been found for this gene. Isoform APP695 is the predominant form in neuronal tissue, isoform APP751 and isoform APP770 are widely expressed in nonneuronal cells. Isoform APP751 is the most abundant form in T lymphocytes. ABPP is expressed in all fetal tissues examined with the highest levels in brain, kidney, heart and spleen with weak expression observed in liver; ABPP is induced during neuronal differentiation. In the adult brain, highest expression of ABPP gene is found in the frontal lobe of the cortex and in the anterior perisylvian cortex opercular gyri; moderate expression in the cerebellar cortex, the posterior perisylvian cortex opercular gyri and the temporal associated cortex. Weak expression is found in the striate, extra striate and motor cortices. Mutations in ABPP have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy).</p>
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	1E11
Immunogen:	1-24 amino acids of beta amyloid (NAEFRHDSGYQVHHQKLVFFAEDV). Source: Tissue Culture Supernatant.
Format:	State: Liquid purified IgG fraction Buffer System: PBS Preservatives: None
Applications:	ELISA. Western blot. Immunohistochemistry on Paraffin Sections: Formic Acid pre-treatment is required (70%, 30 minutes at room temperature). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This Monoclonal antibody is reactive to the amino terminal region (a.a. residues 1-8) of beta Amyloid peptide. Reacts to the abnormally processed isoforms as well as precursor forms. Species: Human. Other species not tested.
Add. Information:	Centrifuge before opening to ensure complete recovery of vial contents.

Storage:

Store the antibody (in aliquots) at -20°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.