

APP

Mouse anti-Human Amyloid beta A4 Precursor Protein Clone mAbP2-1 mAb

Catalog No.	CSI10981	Quantity:	50 µg
Alternate Names:	A4, AAA, Abeta, ABPP, AD1, Adap		
Description:	Mouse Anti-human Amyloid beta Precursor Protein Clone mAbP2-1 monoclonal antibody		
Gene ID:	351		
Specificity:	Recognizes human and monkey APP but does not recognize rodent APP. It is specific for native, not denatured, conformations of the protein. The antibody does not recognize APP in formalin-fixed, paraffin imbedded sections nor does it recognize APP if the samples are boiled in Laemmli (SDS) sample buffer containing a reducing agent such as DTT or β-ME. There is no cross-reactivity with homologs of APP.		
Host:	Mouse		
Immunogen:	Full length native secreted form of amyloid precursor protein (APP751), also known as protease nexin-II (PN-II). The antibody was produced after fusion of P3X63-Ag8.653 myeloma cells with spleen cells from immunized BALB/c mice. The epitope for this monoclonal antibody maps to amino acid residues 104-118.		
Isotype:	IgG1		
Clone:	mAbP2-1		
Formulation:	Liquid in a buffer of PBS, pH 7.4, carrier and preservative free.		
Purification:	Protein G affinity chromatography		
Applications:	<p>immunocytochemistry: with frozen brain sections, working dilution of 0.5 µg/ml to 5 µg/ml</p> <p>ELISA: working dilution of 10 µg/ml. Single site ELISA must use tissue culture-treated 96-well microtiter plates to capture the anionic regions of APP from biological samples.</p> <p>immunoprecipitation studies of APP in various biological samples. Immunoprecipitation studies may be performed utilizing 25 µg/ml of mAbP2-1-linked Sepharose.</p> <p>Western blotting, under non-reducing conditions only: using lysates from cultured HLSM cells, working dilution of 5.0 µg/ml.</p> <p>The optimal concentration should be determined by the user for each specific application.</p>		
Storage & Stability:	<p>Store at -80°C. Upon initial thawing, apportion into working aliquots and store at -80°C.</p> <p>Avoid repeated freeze-thaw cycles to prevent denaturing the antibody. When stored as directed, product is stable for one year from date of receipt.</p>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.