

Monoclonal Antibody to Amyloid beta (1-40) - FITC

Alternate names:	Amyloid beta peptide
Catalog No.:	AM00001FC-N
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Background:	<p>The beta-amyloid peptide (beta A4), proteolytically released from the amyloid precursor protein (APP), is the principal component of senile plaques in Alzheimer's disease. Cleavage of APP by alpha-secretase or alternatively by beta-secretase leads to generation and extracellular release of soluble APP peptides, S-APP-alpha and S-APP-beta, respectively, and the retention of corresponding membrane-anchored C-terminal fragments, C83 and C99. Subsequent processing of C83 by gamma-secretase yields P3 peptides. This is the major secretory pathway and is nonamyloidogenic. Alternatively, presenilin/nicastrin-mediated gamma-secretase processing of C99 releases the amyloid beta proteins, amyloid-beta 40 (Abeta40) and amyloid-beta 42 (Abeta42), major components of amyloid plaques, and the cytotoxic C-terminal fragments, gamma-CTF(50), gamma-CTF(57) and gamma-CTF(59).</p>
Host / Isotype:	Mouse / IgG1
Clone:	5C3
Immunogen:	C-terminal peptide conjugated to KLH
Format:	<p>State: Liquid purified IgG fraction Purification: Size exclusion chromatography Buffer System: PBS/0.09% Na-Azide/PEG and Sucrose Label: FITC</p>
Applications:	<p>Immunocytochemistry: 1 - 10 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>This antibody specifically interacts with the C-Terminus of β-Amyloid (1 - 40) and does not crossreact with β-Amyloid (1 - 42). Species: Human. Other species not tested.</p>
Storage:	<p>Store the antibody (aliquote in liquid nitrogen) at -80°C. Avoid repeated freezing and thawing. Thaw aliquots at 37°C. Thawed aliquots may be stored at 2-8°C up to 3 months. Shelf life: one year from despatch.</p>

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com