

Datasheet: MCA5930GA

Description:	MOUSE ANTI HUMAN BETA AMYLOID (aa37-42)
Specificity:	BETA AMYLOID (aa37-42)
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	MAb1.1
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			20 - 40 ug/ml
Immunohistology - Paraffin	▪			
ELISA	▪			0.2 ug/ml
Immunoprecipitation			▪	
Western Blotting			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	A construct of the last six amino acids of A β 42 (GGVVIA) and a potent T-cell epitope from <i>Chlamydia pneumonia</i> CWL pmp8-protein, synthesised directly onto an LPA scaffold (See Axelsen <i>et al.</i> for full details).
External Database Links	<p>UniProt: P05067 Related reagents</p> <p>Entrez Gene: 351 APP Related reagents</p>
Synonyms	A4, AD1
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the NS1 myeloma cell line.
Specificity	<p>Mouse anti Human beta-amyloid protein 42 antibody, clone Mab1.1 recognizes Beta-amyloid protein 42 (also known as Aβ42), the 42 amino acid peptide processed from Amyloid precursor protein (APP). There are several forms of Aβ peptides processed from APP, the most common being Aβ40 and Aβ42. Amyloid plaques contain both Aβ40 and Aβ42. Aβ40 is more common, but Aβ42 more fibrillogenic and therefore associated with disease states such as Alzheimer's disease.</p> <p>Mouse anti Human beta-amyloid protein 42 antibody, clone Mab1.1 specifically binds to the 37-42aa region, and does not recognise full-length APP or the 40 amino acid peptide processed from APP (Aβ40). It stains diffuse plaques found in the brain of Alzheimer's disease patients. It does not stain healthy brain tissue or other organs.</p>
ELISA	If plates are coated with 2ug/ml A β 42, clone Mab1.1 can be used at a dilution of 0.2ug/ml for an OD of approximately 2.
Immunohistology	This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.
Histology Positive Control Tissue	Alzheimer's disease brain
References	1. Axelsen, T.V. <i>et al.</i> (2009) Specific recognition of the C-terminal end of A beta 42 by a high affinity monoclonal antibody. Mol Immunol. 46 (11-12): 2267-73.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Rabbit Anti Mouse IgG (STAR8...) [DyLight@800](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@550](#),
[DyLight@650](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M389626:210806'

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