



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

MOUSE ANTI HUMAN BETA AMYLOID (aa1-17)

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-00079

Species
Human

Isotype
IgG₁

Preparation

Preparation: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Immunogen: Synthetic peptide consisting of residues 1 - 17 of the amyloid beta protein.

Specificity

This antibody recognizes the human beta amyloid peptide, which is the major protein component of the amyloid cores in neuritic plaques.

In immunohistology the antibody detects extracellular amyloid beta with senile plaques and vessel amyloid in Alzheimer's disease brain.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Storage

18 months from date of dispatch.

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.

Avoid repeated freezing and thawing as this may denature the antibody.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	.			
Western Blotting	.			
Immunohistology - frozen			.	
Immunohistology – paraffin(*)	.			
Immunohistology - resin			.	
Immunoprecipitation	.			
Flow Cytometry			.	
Immunofluorescence staining			.	
Neutralization			.	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

(*)*This product requires protein digestion pre-treatment of paraffin sections using formic acid for 2-3 minutes.

Histology Positive Control Tissue Alzheimer's disease brain

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	.			1:5000-1:10000

Reference

Kitamoto, T. et al. (1987) Formic acid pre-treatment enhances immunostaining of cerebral and systemic amyloids. Lab. Invest. 57: 230 - 236.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**