



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 Cytomegalovirus

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-01117

Target
Viral

Isotype
IgG1

Preparation

Immunogen: CMV infected MRC-5 cells.

Purification: Purified IgG prepared by ion exchange chromatography

Specificity

DS-MB-01117 recognizes cytomegalovirus. The antibody binds to an immediate early, non-structural antigen of 72kD.

The staining pattern seen is nuclear. No cross-reactivity is seen with EBV, Adenovirus, Varicella Zoster Virus or Herpes Simplex Virus.

Immunohistochemistry: Overnight incubation at 4°C is recommended. *This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for the purpose.

Histology Positive Control: CMV infected lung

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline

Preservative & Stabilizers: 0.09% Sodium Azide, 1% Bovine Serum Albumin

Storage

Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use. Avoid repeated freezing and thawing as this may denature the antibody.

Shelf Life: 18 months from date of shipment.

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



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Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Western Blotting			•	
ELISA			•	
Immunohistology - frozen	•			1/40
Immunohistology – paraffin (1)	•			1/40
Immunohistology - resin			•	
Immunoprecipitation			•	
Immunofluorescence staining			•	
Flow Cytometry			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.
(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.

Secondary Antibody Applications

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

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