



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-ROTAVIRUS

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-02237

Species
Viral

Isotype
IgG2b

Preparation

Purification: Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Specificity

DS-MB-02237 detects intact Rotavirus strains RRV, Wa and Bovine. Rotavirus is a member of the Reoviridae family, and is the leading cause of diarrhea hospitalization among children worldwide. Seven major groups have been identified, of which three (groups A, B, and C) infect humans. Group A is the most common and widespread.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified Ig - liquid

Buffer Solution: 0.01M Phosphate buffered saline pH7.2

Preservative Stabilizers: 0.09% Sodium Azide (NaN_3)

Approx. Protein Concentrations: IgG concentration 0.1mg/ml

Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology - Frozen			•	
ELISA	•			1:20 -1:200
Western Blotting			•	
Immunodiffusion			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined.

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



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Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5,000-1:10,000

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

Shelf Life: 18 months from date of dispatch.

Reference

1. O'Ryan, M. and Matson, D.O. (2006) New rotavirus vaccines: renewed optimism. J. Pediatr. 149: 448-451.
2. Parashar, U.D. *et al.* (2006) Rotavirus and severe childhood diarrhea. Emerg. Infect. Dis. 12: 304-306.

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