



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-Clostridium difficile Toxin A

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-01015

Target Species
Bacterial

Isotype
IgG1

Description

Immunogen: Clostridium difficile toxin A

Specificity

DS-MB-01015 is specific for Clostridium difficile toxin A. No reaction is observed with the following organisms: Clostridium difficile toxin B, tetanus toxoid, Pseudomonas aeruginosa and Yersinia enterocolitica

Clostridium difficile is a gram positive motile bacterium which is the leading cause of diarrhea in developed countries. The incidence of disease in humans varies greatly with age, spore density and the administration of antibiotics.

Toxin A (TcdA) is a large exotoxin which is an essential virulence factor for C. difficile infection. TcdA has a molecular weight of 308kD and is a glucosyltransferase, which irreversibly inactivates the Ras family of small GTPases to disrupt many important signaling pathways.

Formulation

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

Product Type: Monoclonal Antibody

Product Form: Purified IgG – liquid

Buffer Solution: Phosphate buffered saline

Preservative & Stabilizers: 0.09% Sodium Azide (NaN_3)

Approx. Protein Concentrations: IgG concentration 0.1 mg/ml

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.

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
Western Blotting			•	
ELISA	•			1:20-1:200
Immunohistology - frozen			•	
Immunohistology - paraffin			•	
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.

Secondary Antibody Applications

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

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