Datasheet: MCA4738

BATCH NUMBER 156145

Description:	MOUSE ANTI CLOSTRIDIUM DIFFICILE TOXIN B
Specificity:	CLOSTRIDIUM DIFFICILE TOXIN B
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	5158
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			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/20 - 1/200
Immunoprecipitation			▪	
Western Blotting			▪	
Immunofluorescence			▪	

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Target Species	Bacterial
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN_3)

Approx. Protein Concentrations	IgG concentration 0.1mg/ml
External Database Links	**UniProt:** P18177 Related reagents
Synonyms	tcdB
RRID	AB_1658138
Specificity	**Mouse anti Clostridium difficile Toxin B antibody, clone 5158** recognizes *Clostridium difficile* toxin B. No reaction is observed with toxin A. *Clostridium difficile* is a gram-positive motile bacterium which is the leading cause of diarrhoea in developed countries. The incidence of disease in humans varies greatly with age, spore density and the administration of antibiotics. Toxin B (TcdB) is a large exotoxin. Its role in disease is less well understood than that of toxin A, though it seems clear that TcdB contributes to disease. Both toxins modify the Ras superfamily of small GTPases via glycosylation, inactivating them and leading to the disruption of vital signaling pathways in the cell.
Further Reading	1. Voth, D.E. & Ballard, J.D. (2005) Clostridium difficile toxins: mechanism of action and role in disease. Clin Microbiol Rev. 18 (2): 247-63.
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.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA4738 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC

Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP

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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

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