

Mouse CRYPTOSPORIDIUM Monoclonal Antibody

MOUSE ANTI CRYPTOSPORIDIUM:FITC

CATALOG # AAA49038	HOST Mouse	APPLICATIONS Immunofluorescence, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CRYPTOSPORIDIUM; Monoclonal Antibody; MOUSE ANTI CRYPTOSPORIDIUM:FITC; anti-CRYPTOSPORIDIUM antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG3
Clone Number	BEL 0126
Specificity	Mouse anti Cryptosporidium antibody, clone BEL 0126 recognizes a membrane antigen expressed by the oocysts of Cryptosporidium sp., an obligate enteric coccidian parasite of the phylum Apicomplexa that infects the gastrointestinal tract. The parasite is one of the most important enteric pathogens in both humans and animals (Rose et al. 2002). Since its first in 1975 (Meisel et al. 1976), Cryptosporidiosis, has become one of the most prominent public health concerns worldwide (Rose et al. 2002). Cryptosporidium oocysts are resistant to chlorine and their small size makes removal by filtration difficult. Alternative methods have been developed such as UV and ozone treatment alongside monitoring using Immunofluorescence screening (Rose et al. 2002). Cryptosporidiosis is a disease affecting the intestines of mammals which is spread through the fecal-oral route. The main symptom of is self-limiting diarrhea in people with intact immune systems. However, in immunocompromised individuals, such as AIDS patients, infection can cause permanent & life-threatening diarrhea (Ma et al. 1984).
Form/Format	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1mg/ml (varies by lot)
Applicable Applications for anti-CRYPTOSPORIDIUM antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Target Species	Protozoan
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution	Phosphate buffered saline
Preservative Stabilizers	0.09% Sodium Azide (NaN ₃) 1% Bovine serum albumin
Immunogen	Purified cryptosporidium oocysts from bovine faeces.
Max Ex/Em	Fluorophore: FITC Excitation Max (nm): 490 Emission Max (nm): 525
Preparation and 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. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cryptosporidium-antibody-clone-bel-0126-immunofluorescence-flow-cytometry-elisa/49038>