

ARG23590 anti-Cryptosporidium antibody [BEL 0126]

Package: 100 µg

Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [BEL 0126] recognizes Cryptosporidium. This product 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 diagnosis 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).
Tested Reactivity	Prt
Tested Application	ELISA, FACS, ICC/IF
Host	Mouse
Clonality	Monoclonal
Clone	BEL 0126
Isotype	IgG3
Target Name	Cryptosporidium
Species	Protozoa
Immunogen	Purified cryptosporidium oocysts from Bovine faeces.
Conjugation	Un-conjugated

Application Instructions

Application table	Application	Dilution
	ELISA	1:2000 - 1:8000
	FACS	Assay-dependent
	ICC/IF	1:50 - 1:200
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 0.09% Sodium azide.

Preservative	0.09% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.