



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## Mouse Anti-CRYPTOSPORIDIUM

### With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-01071

**Target Species**  
Protozoan

**Isotype**  
IgG3

### Preparation

**Preparation:** Purified IgG prepared by affinity chromatography on Protein A

**Immunogen:** Purified oocysts from bovine feces

### Specificity

DS-MB-01071 recognizes a membrane antigen expressed by the oocysts of *Cryptosporidium sp.*, an obligate intracellular parasite of the phylum Apicomplexa. The genome of *Cryptosporidium sp.* is one of the smallest among unicellular eukaryotic organisms.

*Cryptosporidium* is one of several species that cause cryptosporidiosis; a disease affecting the intestines of mammals which is spread through the fecal-oral route. The main symptom 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. Cryptosporidiosis is one of the most common waterborne diseases worldwide.

### Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG - liquid

**Buffer Solution:** Phosphate buffered saline, pH 7.2

**Preservative Stabilizers:** 0.09% Sodium Azide (NaN<sub>3</sub>)

**Approx. Protein Concentrations:** 1.0 mg/ml

### Applications

Options	YES	NO	Not determined	Recommended Work dilution or concentration
Functions				
Flow Cytometry	•			
Immunofluorescence	•			1:50 – 1:200
Elisa	•			1:2,000 – 1:8,000

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

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



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### **Secondary Antibody Applications**

<b>Options</b> <b>Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
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.

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