



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## Mouse Anti-Parvovirus B19 With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-02100

**Target Species**  
Viral

**Isotype**  
IgG

### Preparation

**Immunogen:** Semi-purified native Parvovirus B19.

### Specificity

DS-MB-02100 recognizes Parvovirus B19, the causative agent of fifth disease also known as Erythema Infectiosum or slapped cheek syndrome in humans. Discovered serendipitously in 1974 during routine Hepatitis B screening at the central public health laboratory in London, it is a single stranded DNA virus belonging to the family Parvoviridae and until the discovery of Human Bocavirus and PARV4 was the only parvovirus recognized to be pathogenic in humans.

No epitope mapping has been carried out but this antibody is reactive with the VP2 capsid protein of Parvovirus B19.

### Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG - liquid

**Buffer Solution:** Phosphate buffered saline

**Preservative Stabilizers:** 0.09% Sodium azide

**Approx. Protein Concentrations:** IgG concentration 0.1 mg/ml

### Applications

Options	YES	NO	Not determined	Recommended Work dilution or concentration
Immunofluorescence	•			1/10 - 1/50
Western Blotting	•			1/10 - 1/50
Elisa	•			1/20 - 1/200

**Note:** Other applications are not tested yet. Optimal dilutions should be determined.

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



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### Secondary Antibody Applications

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

### References

1. Heegaard, E.D. and Brown, K.E. (2002) Human Parvovirus B19 Clin Microbiol Rev 15: 485-505.
2. Manning, A. *et al.* (2006) Epidemiological Profile and Clinical Associations of Human Bocavirus and Other Human Parvoviruses J Infect Dis 194: 1283-1290.

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