



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Canine Parvovirus

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-00194

Target Species
Viral

Isotype
IgG2a

Preparation

Purification: Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Immunogen: Canine parvovirus

Specificity

DS-MB-00194 detects Canine parvovirus (CPV), a negatively stranded DNA virus which infects dogs. In some instances it is also known as CPV type-2 to distinguish it from the unrelated parvovirus minute virus of canines (MVC).

CPV is a relatively new virus, having been first isolated in 1978, which is thought to have derived from the feline panleukopenia virus (FPV). CPV is highly infectious and is spread from dog to dog by physical contact and contact with feces.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: 0.01M Phosphate buffered saline pH7.2

Preservative Stabilizers: 0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations: IgG concentration 0.1mg/ml

Applications

Options	YES	NO	Not determined	Recommended Work dilution or concentration
Flow Cytometry			•	
Western Blotting			•	
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.

Reference

1. Truyen, U. (1999) Emergence and recent evolution of canine parvovirus. *Vet. Microbiol.* 69: 47-50.
2. Parrish, C.R. (1999) Host range relationships and the evolution of canine parvovirus. *Vet Microbiol.* 69: 29-40.

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