

Canine Parvovirus Monoclonal Antibodies

ORDERING INFORMATION

Catalog no.	Clone No.	MAb Subtype	Size
18936	CP2A10	IgG2a	200ug
18937	CP3G3	IgG2a	200ug
18938	CP3H6	IgG3	200ug
18939	CP5G7	IgG2a	200ug
18940	CP8H7	IgG2a	200ug

Format: Protein A-purified antibody in PBS, pH 7.4, 0.09% sodium azide.

BACKGROUND

Canine parvovirus (CPV, "parvo") is a virus that mainly affects dogs and is believed to have originated from a mutation of feline panleukopenia virus into CPV2. CPV infection is highly contagious and is spread by direct or indirect contact with feces of infected dogs. Signs of infection include lethargy, vomiting, fever, and diarrhea. Because the intestinal lining becomes compromised, blood and protein leak into the intestines, leading to anemia and loss of protein, and endotoxins reach the bloodstream, causing endotoxemia. Vaccines can prevent infection, but mortality can reach 91% in untreated cases. Canine parvovirus may infect other mammals including foxes, wolves, cats, and skunks, but no cases of CPV infection of humans have been reported.

SPECIFICATION SUMMARY

Antigen: Canine parvovirus

Host Species: Mouse

Specificity: These antibodies recognize canine parvovirus. Specific epitopes have not been determined.

APPLICATIONS

ELISA: For sandwich ELISA use the following antibody pairs:

<u>Capture Antibody</u>	<u>Detection Antibody</u>
18939	18940
18937	18940
18938	18940
18939	18938
18937	18938
18936	18938
18939	18936
18937	18936

Endusers should determine optimal antibody concentrations for their preparations of CPV.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is compatible with the assay system.

STORAGE AND STABILITY

Store product at 4°C.

For in vitro investigational use only. Not intended for use in therapeutic or diagnostic procedures.