

Canine Distemper Virus Monoclonal Antibodies

ORDERING INFORMATION

Catalog no.	Clone No.	MAB Subtype	Size
18934	CD8.1	IgG2a	200ug
18935	CD5.4	IgG2a	200ug

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

BACKGROUND

Canine distemper virus (CDV) is an enveloped, non-segmented, single-stranded RNA virus and is a member of the morbillivirus family (related to measles virus). Despite widespread use of vaccination, distemper continues to be a problem with outbreaks occurring in dogs as well as in other species, such as seals and lions. CDV in dogs is generally transmitted as an aerosol infection to the upper respiratory tract; primary virus replication takes place in lymphoid tissues resulting in severe immunosuppression. Approximately 10 days post-infection, CDV spreads from sites of primary infection to various epithelial tissues and the central nervous system, the latter leading to the most serious complications of CDV infection. Neurological signs often occur in the absence of systemic signs.

SPECIFICATION SUMMARY

Antigen: Canine distemper virus.

Host Species: Mouse

Specificity: These antibodies recognize an antigen on the outer envelope of canine distemper virus.

APPLICATIONS

ELISA: For sandwich ELISA use #18935 as capture antibody and #18934 as detection antibody. Endusers should determine optimal antibody concentrations for their preparations of CDV.

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.