

Datasheet: MCA1893

Description: MOUSE ANTI CANINE DISTEMPER VIRUS

Specificity: CANINE DISTEMPER VIRUS

Format: Purified

Product Type: Monoclonal Antibody

Clone: DV212

Isotype: IgG2b

Quantity: 0.25 mg

**Target Species**

Viral

**Product Form**

Purified IgG liquid

**Preparation**

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

**Buffer Solution**

Phosphate buffered saline

**Preservative**

**Stabilisers**

0.05% Sodium Azide

**Approx. Protein Concentrations**

IgG concentration 1.0mg/ml

**Specificity**

MCA1893 recognises canine distemper virus nucleoprotein. In Western blots the antibody recognises bands of 76kD, 68kD, 54kD and 32kD under reducing conditions.

This antibody is useful for the detection of CDV in immunofluorescence procedures, in which the staining seen has a cytoplasmic pattern in infected cells. It is also effective in paraffin

embedded material. This antibody is anti morbillivirus specific and reacts with phocine distemper virus, racoon distemper virus and human measles virus. It does not cross react with CAV2, CCV, CPI or CPV.

## References

1. Guvenc, T. *et al.* (2008) Immunohistochemical distribution of alpha Bcrystallin in the cerebellum of dogs infected with canine distemper virus. *Acta Vet Hung.* 56: 11723.
2. Headley, S.A. *et al.* (2009) Diagnostic exercise: Tyzzer's disease, distemper, and coccidiosis in a pup. . *Vet Pathol.*

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46: 1514.

3. Headley, S.A. *et al.* (2009) Molecular detection of Canine distemper virus and the immunohistochemical characterization of the neurologic lesions in naturally occurring old dog encephalitis. *J Vet Diagn Invest.* 21: 58897.
4. BathenNoethen, A. *et al.* (2008) Magnetic resonance imaging findings in acute canine distemper virus infection. *J Small Anim Pract.* 49: 4607.
5. Headley, S.A. *et al.* (2009) Diagnostic exercise: Tyzzer's disease, distemper, and coccidiosis in a pup. *Vet Pathol.* 46: 1514.
6. Headley, S.A. and Sukura, A. (2009) Naturally occurring systemic canine distemper virus infection in a pup *Braz J Vet Pathol* 2: 95101

## Storage

Store at +4oC or at 20 oC if preferred.  
This product should be stored undiluted.  
Storage in frost free freezers is not recommended