

Datasheet: MCA1893

BATCH NUMBER 153597

Description:	MOUSE ANTI CANINE DISTEMPER VIRUS
Specificity:	CANINE DISTEMPER VIRUS
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	DV2-12
Isotype:	IgG2b
Quantity:	0.25 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin (1)	▪			
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Serotec target unmasking fluid (STUF) product code [BUF025A/B/C](#) is recommended for this purpose.

Target Species	Viral
Species Cross Reactivity	<p>Reacts with: Raccoon dog</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
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
RRID	AB_323083
Specificity	<p>Mouse anti canine distemper virus antibody, clone DV2-12 recognizes canine distemper virus nucleoprotein. In western blots the antibody recognises bands of ~76 kDa, 68 kDa, 54 kDa and 32 kDa under reducing conditions.</p> <p>Mouse anti canine distemper virus antibody, clone DV2-12 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.</p> <p>Mouse anti canine distemper virus antibody, clone DV2-12 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.</p>
References	<ol style="list-style-type: none"> Guvenc, T. <i>et al.</i> (2008) Immunohistochemical distribution of alpha B-crystallin in the cerebellum of dogs infected with canine distemper virus. Acta Vet Hung. 56: 117-23. Headley, S.A. <i>et al.</i> (2009) Diagnostic exercise: Tyzzer's disease, distemper, and coccidiosis in a pup. . Vet Pathol. 46: 151-4. Headley, S.A. <i>et al.</i> (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: 588-97. Bathen-Noethen, A. <i>et al.</i> (2008) Magnetic resonance imaging findings in acute canine distemper virus infection. J Small Anim Pract. 49: 460-7. Kyöstilä, K. <i>et al.</i> (2012) A SEL1L mutation links a canine progressive early-onset cerebellar ataxia to the endoplasmic reticulum-associated protein degradation (ERAD) machinery. PLoS Genet. 8 (6): e1002759. Headley, S.A. and Sukura, A. (2009) Naturally occurring systemic canine distemper virus infection in a pup Braz J Vet Pathol 2: 95-101. Kubo, M. <i>et al.</i> (2010) Meningoencephalitis associated with Sarcocystis spp. in a free-living Japanese raccoon dog (<i>Nyctereutes procyonoides viverrinus</i>). J Comp Pathol. 143: 185-9. Sánchez-Migallón Guzmán, D. <i>et al.</i> (2008) Aleutian disease serology, protein electrophoresis, and pathology of the European mink (<i>Mustela lutreola</i>) from Navarra, Spain. J Zoo Wildl Med. 39: 305-13. Szentiks, C.A. <i>et al.</i> (2013) Polar bear encephalitis: establishment of a comprehensive next-generation pathogen analysis pipeline for captive and free-living wildlife. J Comp Pathol. 2014 May;150(4):474-88.

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14. Bak, W.E. and Woo, G.H. (2016) Canine Distemper in Albino Ferrets (*Mustela putorius furo*) [J comp Pathol. 154: 121](#)

Storage Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1893>
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Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
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