

Datasheet: MCA1893

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 product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product 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
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	<0.1% Sodium Azide (NaN ₃)

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0mg/ml

RRID AB_323083

Specificity **Mouse anti canine distemper virus antibody, clone DV2-12** recognizes canine distemper virus nucleoprotein. In western blots the antibody recognizes bands of ~76 kDa, 68 kDa, 54 kDa and 32 kDa under reducing conditions.

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.

Mouse anti canine distemper virus antibody, clone DV2-12 is anti morbillivirus specific and reacts with phocine distemper virus, raccoon distemper virus and human measles virus. It does not cross react with CAV2, CCV, CPI or CPV.

References

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4. Guvenc, T. *et al.* (2008) Immunohistochemical distribution of alpha B-crystallin in the cerebellum of dogs infected with canine distemper virus. [Acta Vet Hung. 56: 117-23.](#)
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15. Çomaklı, S. *et al.* (2020) Canine distemper virus induces downregulation of GABA_A, GABA_B, and GAT1 expression in brain tissue of dogs. [Arch Virol. 165 \(6\): 1321-31.](#)

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Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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 (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP

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