Datasheet: MCA2064

BATCH NUMBER 166313

Description:	MOUSE ANTI CANINE/FELINE PARVOVIRUS
Specificity:	CANINE/FELINE PARVOVIRUS
Other names:	FELINE PANLEUKOPENIA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	CPV1-2A1
Isotype:	IgG2a
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	▪			
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.

Target Species

Viral

Species Cross Reactivity

Reacts with: Mink parvovirus

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.

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	<0.1% sodium azide (NaN_3)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
RRID	AB_323424
Specificity	**Mouse anti Canine/ Feline parvovirus antibody, clone CPV1-2A1** recognizes canine parvovirus (CPV) and feline panleucopenia virus (FPV). CPV is reported to be a host range variant of FPV which emerged as a result of mutations of the viral capsid. Mouse anti Canine/ Feline parvovirus antibody, clone CPV1-2A1 does not recognise canine adenovirus (type2); canine coronavirus; canine distemper; canine parinfluenza virus; feline leukaemia virus or feline immunodeficiency virus.
References	1. Kyöstilä, K. *et al.* (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. 2. Rolim, V.M. *et al.* (2016) Myocarditis caused by Feline Immunodeficiency Virus in Five Cats with Hypertrophic Cardiomyopathy. J Comp Pathol. 154 (1): 3-8. 3. Willi, B. *et al.* (2016) Molecular characterization and virus neutralization patterns of severe, non-epizootic forms of feline calicivirus infections resembling virulent systemic disease in cats in Switzerland and in Liechtenstein. Vet Microbiol. 182: 202-12. 4. Echenique, J.V.Z. *et al.* (2018) *Lontra longicaudis* infected with canine parvovirus and parasitized by *Dioctophyma renale*. Pesquisa Veterinária Brasileira. 38 (9): 1844-8.
Further Reading	1. Kipar, A. *et al.* (2000) Expression of viral proteins in feline leukemia virus-associated enteritis. Vet Pathol. 37 (2): 129-36.
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/MCA2064 10040
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
Rabbit Anti Mouse IgG (STAR13...)	HRP
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

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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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