

Datasheet: MCA2593

Description:	MOUSE ANTI FELINE IMMUNODEFICIENCY VIRUS p24 gag
Specificity:	FELINE IMMUNODEFICIENCY VIRUS p24 gag
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	P24CR1
Isotype:	IgG1
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
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 (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Specificity	<p>Mouse anti Feline Immunodeficiency Virus p24 gag antibody, clone P24CR1 recognizes a p24 epitope of feline immunodeficiency virus (FIV) p24 gag, distinct from the p24 epitope recognised by clone PAK3-2C1.</p>

The lentivirus FIV, responsible for a progressive and debilitating immune deficiency syndrome in

domestic cats, similar to that caused by the human Immunodeficiency Virus (HIV), is a complex retrovirus with a tightly-packed genome, containing the structural genes *gag*, *env* and *pro-pol* and the accessory genes *vif*, *rev* and ORF-A/2.

Mouse anti Feline Immunodeficiency Virus p24 gag antibody, clone P24CR1 does not recognise Feline Leukaemia Virus (FeLV), Feline Herpes Virus (FHV) type 1, Feline Coronavirus or Feline Calicivirus.

Western Blotting	MCA2593 detects a dominant band of approximately 24kDa under reducing conditions.
References	<ol style="list-style-type: none">1. Lerner, D.L. <i>et al.</i> (1995) Increased mutation frequency of feline immunodeficiency virus lacking functional deoxyuridine-triphosphatase. Proc Natl Acad Sci U S A. 92 (16): 7480-4.2. Celestino, M. <i>et al.</i> (2012) Feline tetherin is characterized by a short N-terminal region and is counteracted by the feline immunodeficiency virus envelope glycoprotein. J Virol. 86 (12): 6688-700.
Further Reading	<ol style="list-style-type: none">1. Chatterji, U. <i>et al.</i> (2000) Feline immunodeficiency virus Vif localizes to the nucleus. J Virol. 74 (6): 2533-40.2. Norway, R.M. <i>et al.</i> (2001) Thymic lesions in cats infected with a pathogenic molecular clone or an ORF-A/2-deficient molecular clone of feline immunodeficiency virus. J Virol. 75 (13): 5833-41.3. Simon, J.H. <i>et al.</i> (1997) The Vif and Gag proteins of human immunodeficiency virus type 1 colocalize in infected human T cells. J Virol. 71 (7): 5259-67.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®549](#),
[DyLight®649](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

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'M317529:180702'

Printed on 02 Jul 2018

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