

Datasheet: MCA1353

Description:	MOUSE ANTI FELINE IMMUNODEFICIENCY VIRUS p24
Specificity:	FELINE IMMUNODEFICIENCY VIRUS p24
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	vpg50
Isotype:	IgG1
Quantity:	2 ml

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	▪			1/50 - 1/100
Immunofluorescence	▪			

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Viral
Product Form	Tissue Culture Supernatant -liquid
Preparation	Tissue Culture Supernatant containing 0.2M Tris/HCl pH7.4
Preservative Stabilisers	0.1% Sodium Azide
Immunogen	Recombinant p24.
RRID	AB_322056

Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the NS0 mouse myeloma cell line.
Specificity	<p>Mouse anti Feline Immunodeficiency Virus p24 antibody, clone vpg50 recognizes feline immunodeficiency virus (FIV) p24, the ~24 kDa capsid protein which forms the conical core of the virus and encapsulates the genomic RNA-nucleocapsid complex.</p> <p>Mouse anti Feline Immunodeficiency Virus p24 antibody, clone vpg50 has been used successfully for the detection of p24 in FIV infected dendritic cells by immunocytochemistry and detection of both recombinant p24 and p24 from virally infected cell cultures by western blotting (Reggeti and Bienzle 2008).</p>
References	<ol style="list-style-type: none"> 1. Dowling, R.J. & Bienzle, D. (2005) Gene-expression changes induced by Feline immunodeficiency virus infection differ in epithelial cells and lymphocytes. J Gen Virol. 86 (Pt 8): 2239-48. 2. Reggeti, F. and Bienzle, D. (2008) Alloimmunity does not protect from challenge with the feline immunodeficiency virus. Vet Immunol Immunopathol. 124: 152-62. 3. Rogers, A.B. and Hoover, E.A. (2002) Fetal Feline Immunodeficiency Virus Is Prevalent and Occult J Infect Dis. 186: 895-904. 4. Dietrich, I. <i>et al.</i> (2011) Feline tetherin efficiently restricts release of feline immunodeficiency virus but not spreading of infection. J Virol. 85: 5840-52. 5. Rolim, V.M. <i>et al.</i> (2016) Myocarditis caused by Feline Immunodeficiency Virus in Five Cats with Hypertrophic Cardiomyopathy. J Comp Pathol. 154 (1): 3-8.
Storage	<p>Store at +4°C for one month or at -20°C for longer.</p> <p>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.</p>
Guarantee	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10336 available at: 10336: https://www.bio-rad-antibodies.com/uploads/MSDS/10336.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),
[DyLight®800](#), [FITC](#), [HRP](#)

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