

Datasheet: MCA4664

Description:	MOUSE ANTI FELINE IMMUNODEFICIENCY VIRUS gp95
Specificity:	FELINE IMMUNODEFICIENCY VIRUS gp95 V4 REGION
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	SU2-3
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

RRID	AB_1510219
Specificity	<p>Mouse anti Feline Immunodeficiency Virus gp95 antibody, clone SU2-3 recognises an epitope located within the V4 region of FIV (Feline Immunodeficiency Virus) envelope glycoprotein SU,gp95.</p> <p>The primary receptor for FIV infection of cats has been identified as the T-cell activation antigen CD134 which, along with CXC chemokine receptor 4 (CXCR4), facilitates the infection of CD4+ primary target cells, resulting in a depletion in the CD4+ population. Studies have shown that the V3 loop of SU,gp95 is a major immunogenic domain, believed to contain the main determinants for the binding of FIV SU,gp95 to CXCR4, and that the V4 loop may also play a part in CXCR4 interaction (Sundstrom et al. 2008).</p> <p>Mouse anti Feline Immunodeficiency Virus gp95 antibody, clone SU2-3 has been shown to moderately inhibit SU-Fc binding to feline lymphoma 3201 cells (Sundstrom et al. 2008).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1 X 10 ⁶ cells in 100ul.
References	1. Sundstrom, M. <i>et al.</i> (2008) Mapping of the CXCR4 binding site within variable region 3 of the feline immunodeficiency virus surface glycoprotein. J Virol. 82: 9134-42
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</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 #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 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](#)

Recommended Useful Reagents

[MOUSE ANTI FELINE IMMUNODEFICIENCY VIRUS gp95 \(MCA2552\)](#)

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