

Datasheet: MCA2551

BATCH NUMBER 172749

Description:	MOUSE ANTI FELINE LEUKAEMIA VIRUS p27
Specificity:	FELINE LEUKAEMIA VIRUS p27
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	PF12J-10A
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	▪			1/100
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			1/1,500

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	<0.1% Sodium Azide (NaN ₃)
Approx. Protein	IgG concentration 1.0mg/ml

Concentrations

External Database

Links

UniProt:

[O89811](#)

[Related reagents](#)

RRID

AB_619996

Specificity

Mouse anti Feline Leukaemia Virus p27 antibody, clone PF12J-10A recognizes feline leukaemia virus (FeLV) p27 core protein (p27).

The oncoretrovirus FeLV is responsible for both neoplastic and non-neoplastic conditions, often resulting in a poor prognosis and fatal outcome for cats persistently infected. During persistent infection the virus, soluble viral antigens and antigen containing white blood cells are continuously present in the blood and diagnosis is mainly based upon detection of the p27 antigen - using ELISA to test for p27 as it circulates free in the bloodstream, and Immunofluorescence to detect p27 within the infected white cells.

Western Blotting

MCA2551 detects a band of approximately 28kDa under reducing conditions. A strong band of 80kDa representing glycosylated FeLV gag gene product may also be present.

References

1. Kipar, A. *et al.* (2000) Expression of viral proteins in feline leukemia virus-associated enteritis. [Vet Pathol. 37 \(2\): 129-36.](#)
2. Kipar, A. *et al.* (2001) Comparative examination of cats with feline leukemia virus-associated enteritis and other relevant forms of feline enteritis. [Vet Pathol. 38 \(4\): 359-71.](#)
3. Kipar, A. *et al.* (1998) Fatal enteritis associated with coronavirus infection in cats. [J Comp Pathol. 119 \(1\): 1-14.](#)

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/MCA2551>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [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
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M418785:230427'

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