

Datasheet: MCA2490

Description:	MOUSE ANTI FELINE HERPES VIRUS TYPE 1
Specificity:	FELINE HERPES VIRUS TYPE 1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	FHV7-7C
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 (1)	▪			

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.

(1)Clone FHV7-7C recognizes feline herpes virus under reducing conditions.

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

RRID AB_609663

Specificity **Mouse anti Feline herpesvirus type 1 antibody, clone FHV7-7C** recognizes feline Herpesvirus type 1 (FHV-1), of the genus *Herpesviridae*.

FHV-1 is worldwide, and the most clinically significant pathogen for feline respiratory infections, being the causative agent of feline viral rhinotracheitis (FVR). Clone FHV7-7C specifically reacts with three different cultured FHV isolates, but does not cross react with feline Calcivirus (FCV), feline Immunodeficiency virus (FIV) or feline Leukaemia virus (FeLV).

References

1. Lee, M. *et al.* (2010) Immunohistological evaluation of feline herpesvirus-1 infection in feline eosinophilic dermatoses or stomatitis. [J Feline Med Surg. 12 \(2\): 72-9.](#)
2. Verweij, M.C. *et al.* (2011) The capacity of UL49.5 proteins to inhibit TAP is widely distributed among members of the genus Varicellovirus. [J Virol. 85 \(5\): 2351-63.](#)
3. Synowiec, A. *et al.* (2023) Feline herpesvirus 1 (FHV-1) enters the cell by receptor-mediated endocytosis. [J Virol. 97 \(8\): e0068123.](#)
4. Pennington, M.R. *et al.* (2016) A novel corneal explant model system to evaluate antiviral drugs against feline herpesvirus type 1 (FHV-1). [J Gen Virol. 97 \(6\): 1414-1425.](#)
5. Pennington, M.R. *et al.* (2018) Transcriptome profiling of alphaherpesvirus-infected cells treated with the HIV-integrase inhibitor raltegravir reveals profound and specific alterations in host transcription. [J Gen Virol. 99 \(8\): 1115-1128.](#)
6. Pennington, M.R. & Van, G.W.D. (2017) Electric Cell-Substrate Impedance Sensing To Monitor Viral Growth and Study Cellular Responses to Infection with Alphaherpesviruses in Real Time. [mSphere. 2 \(2\)Apr 05 \[Epub ahead of print\].](#)

Further Reading

1. Maeda, K. *et al.* (1998) Properties and functions of feline herpesvirus type 1 glycoproteins. [J Vet Med Sci. 60 \(8\): 881-8.](#)

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/MCA2490>
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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
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 (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP

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