

Datasheet: MCA2594B

BATCH NUMBER 163812

Description:	MOUSE ANTI FELINE CORONAVIRUS:Biotin
Specificity:	CORONAVIRUS
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	CCV2-2
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
ELISA	▪			

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 conjugated to Biotin - 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 Concentrations	IgG concentration 1.0mg/ml
RRID	AB_808532
Specificity	Mouse anti Feline Coronavirus antibody, clone CCV2-2 recognises feline coronavirus

and feline infectious peritonitis virus (FIPV).

Feline coronavirus is a common infection of cats worldwide, which may or may not cause a mild respiratory infection. Mutation of this virus into FIPV however, is responsible for the fatal condition known as effusive or non-effusive feline infectious peritonitis (FIP).

References

1. Kipar, A. *et al.* (1998) Cellular composition, coronavirus antigen expression and production of specific antibodies in lesions in feline infectious peritonitis. [Vet Immunol Immunopathol. 65 \(2-4\): 243-57.](#)

Further Reading

1. Rottier, P.J. *et al.* (2005) Acquisition of macrophage tropism during the pathogenesis of feline infectious peritonitis is determined by mutations in the feline coronavirus spike protein. [J Virol. 79 \(22\): 14122-30.](#)

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/MCA2594B>
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Regulatory

For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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