

Datasheet: MCA2594B

BATCH NUMBER 151833

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|----------------------|--------------------------------------|
| 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.

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|---------------------------------------|---|
| 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 | 0.05% 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

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

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.

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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