

Feline Coronavirus antibody [FIPV3-70]

Cat. No. GTX05031

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Applications	WB, ICC/IF, IHC-P, IHC-Fr, FCM, ELISA
Reactivity	Feline Coronavirus

Package
250 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:2000
ICC/IF	Assay dependent
IHC-P	1:50-1:500
IHC-Fr	Assay dependent
FCM	Assay dependent
ELISA	Assay dependent

Note : Antigen retrieval was recommended using heat treatment with sodium citrate buffer pH 6.0 before staining the paraffin sections.

Not tested in other applications.

Observed MW (kDa)	46, 50-56 kDa.
Product Note	This antibody reacts with feline infectious peritonitis virus (FIPV) type 1 and 2 and is specific for the nucleocapsid. It is also known to react with canine coronavirus (CCV), pig coronavirus transmissible gastroenteritis virus (TGEV) and ferret coronavirus. Some specific activity has been detected against bovine coronavirus (BCV). It does not recognize Feline Leukemia virus, Feline Immunodeficiency virus, Feline Calcivirus, Feline Herpes virus, Canine Adenovirus (type 2), Canine Distemper virus, Canine Parvovirus and Canine Parainfluenza virus. It has been reported that clone FIPV3 recognizes the SARS-Cov-2 core protein (Nardacci et al. 2020).

Properties

Form	Liquid
Buffer	PBS
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)



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Immunogen	Coronavirus cocktail.
Purification	Purified by protein A followed by antigen-affinity chromatography From tissue culture supernatant
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



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