

# Product Datasheet

## Coronavirus Antibody (FIPV3-70) - BSA Free NB100-64754

Unit Size: 0.125 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB100-64754**

Coronavirus Antibody (FIPV3-70) - BSA Free

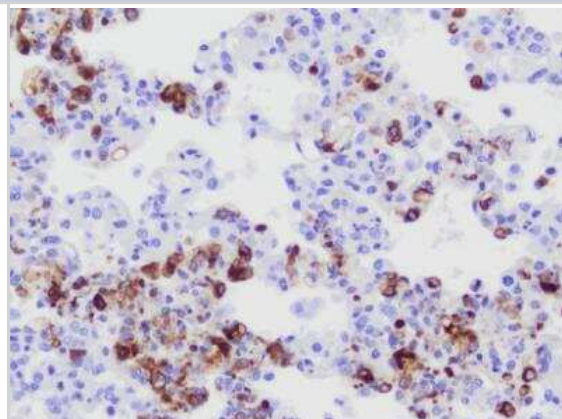
Product Information	
Unit Size	0.125 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	FIPV3-70
Preservative	<0.1% Sodium Azide
Isotype	IgG2a
Purity	Protein A purified
Buffer	PBS

Product Description	
Host	Mouse
Species	Virus
Specificity/Sensitivity	NB100-64754 reacts with feline infectious peritonitis virus (FIPV) type 1 and 2 and is known to be 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). Clone FIPV3-70 exhibits negative reactivity against Feline Leukemia virus, Feline Immunodeficiency virus, Feline Calicivirus, Feline Herpes virus, Canine Adenovirus (type 2), Canine Distemper virus, Canine Parvovirus and Canine Parainfluenza virus.
Immunogen	Coronavirus cocktail

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1:10-1:1000, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

**Images**

Immunohistochemistry-Paraffin: Coronavirus Antibody (FIPV3-70) [NB100-64754] - FIP immunoreactivity in feline lung. Primary antibody used at 1:400 dilution and incubated with tissue sections for 30 minutes at room temperature. IHC-P image submitted by a verified customer review.



## Publications

Dahal S, Cheng R, Cheung P et al. The Thiazole-5-Carboxamide GPS491 Inhibits HIV-1, Adenovirus, and Coronavirus Replication by Altering RNA Processing/Accumulation *Viruses* 2021-12-30 [PMID: 35062264] (WB)

Gunasekaran M, Ravichandran R, Bansal S et al. Respiratory viral infection in lung-transplant induces exosomes that trigger chronic-rejection *The Journal of Heart and Lung Transplantation* 2020-01-21 [PMID: 32033844] (WB)

Ives EJ, Vanhaesebrouck AE, Cian F. Immunocytochemical demonstration of feline infectious peritonitis virus within cerebrospinal fluid macrophages. *J Feline Med Surg* 2013-06-06 [PMID: 23744728] (ICC/IF, Virus)





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### **Products Related to NB100-64754**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NB100-64754AF488	Coronavirus Antibody (FIPV3-70) [Alexa Fluor® 488]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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