

Product Datasheet

SARS Spike Protein Antibody (17F706) NBP2-24942

Unit Size: 0.1 mg

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

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NBP2-24942**SARS Spike Protein Antibody (17F706)**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	17F706
Preservative	0.05% Sodium Azide
Isotype	IgG3 Kappa
Purity	Protein A or G purified
Buffer	0.2 ml PBS and 0.2% Gelatin

Product Description	
Host	Mouse
Species	SARS-CoV, SARS-CoV-2, MERS-CoV
Reactivity Notes	Expected species cross reactivity based on immunogen sequence homology: COVID-19 (100%)
Specificity/Sensitivity	Dot Blot results using recombinant proteins for cross-reactivity testing revealed high reactivity to SARS-CoV-2 Spike S2 protein and MERS Spike S2 protein with low/no reactivity towards H1N1 (NBP1-99041).
Immunogen	The antibody was developed by immunizing mice with a synthetic peptide corresponding to amino acids 1124-1140 (C-GNCDVVIGIVNNTVYDP) from the S (Spike glycoprotein)(Spike protein S2') for the Human SARS coronavirus (Genbank accession no. NP_YP_009724390)

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 0.5-2.0 ug/ml

Publications

Zhang L, Wei L, Jiang D et al. SARS-CoV nucleocapsid protein induced apoptosis of COS-1 mediated by the mitochondrial pathway. Artif Cells Blood Substit Immobil Biotechnol. 2007-01-01 [PMID: 17453707] (WB)

Details:

WB: Fig. 1 (COS-1, Huh-7, and Hep2 transiently or mock-transfected with SARS Matrix, Spike, or Nucleocapsid proteins), Antibodies were transfected validated. Imgenex products cited: 1. SARS-Spike (IMG-5119A) 2. SARS-Spike (IMG-5015) 3. SARS-M (IMG-5125A).



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-
techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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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