

# 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)**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	17F706
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG3 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	0.2 ml PBS and 0.2% Gelatin
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Species</b>	SARS-CoV, SARS-CoV-2, MERS-CoV
<b>Reactivity Notes</b>	Expected species cross reactivity based on immunogen sequence homology: COVID-19 (100%)
<b>Specificity/Sensitivity</b>	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).
<b>Immunogen</b>	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)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot
<b>Recommended Dilutions</b>	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).





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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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