

# Product Datasheet

## SARS Spike Protein Antibody - BSA Free NB100-56048

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NB100-56048****SARS Spike Protein Antibody - BSA Free**

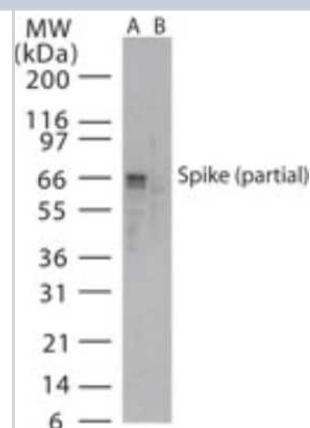
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS containing 0.2% gelatin

<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Species</b>	SARS-CoV
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: COVID-19 (69%)
<b>Specificity/Sensitivity</b>	The antibody was tested on a cell line transfected with a partial-length cDNA coding for the N-terminal portion of SARS Spike protein with a predicted molecular weight of 68 kDa.
<b>Immunogen</b>	The antibody was developed by immunizing rabbits with a synthetic peptide corresponding to amino acids 288-303 (AVDCALDPLSETKCTL) from the S (Spike glycoprotein)(Spike protein 1) for the Human SARS coronavirus (Genbank accession no. YP_009724390)

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, In vitro assay
<b>Recommended Dilutions</b>	Western Blot 0.1-1 ug/ml, ELISA 0.1-1 ug/ml, In vitro assay reported in scientific literature (PMID 34120764)

**Images**

Western Blot: Sars Spike Protein Antibody [NB100-56048] - Used at 1 ug/ml to analyze SARS Spike in (A) transfected mouse melanoma cell lysate and (B) untransfected cell lysate.



## Publications

Dey A, Chozhavel Rajanathan TM, Chandra H et al. Immunogenic potential of DNA vaccine candidate, ZyCoV-D against SARS-CoV-2 in animal models Vaccine 2021-07-05 [PMID: 34120764] (In vitro)

Wang Wei, Ye Linbai, Ye Li et al. Up-regulation of IL-6 and TNF-alpha induced by SARS-coronavirus spike protein in murine macrophages via NF-kappaB pathway. Virus Res. 2007-09-01 [PMID: 17532082]

Xiao X, Chakraborti S, Dimitrov AS et al. The SARS-CoV S glycoprotein: expression and functional characterization. Biochem Biophys Res Commun. 2003-12-26 [PMID: 14651994]

Liniger M, Zuniga A, Tamin A et al. Induction of neutralising antibodies and cellular immune responses against SARS coronavirus by recombinant measles viruses. Vaccine. 2008-04-16 [PMID: 18346823] (WB)





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### **Products Related to NB100-56048**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB100-56047PEP	SARS Spike Protein Antibody Blocking Peptide

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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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