

# Product Datasheet

## SFTS Virus HB29 Antibody - BSA Free NBP2-41153

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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### Publications: 3

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**NBP2-41153**

SFTS Virus HB29 Antibody - BSA Free

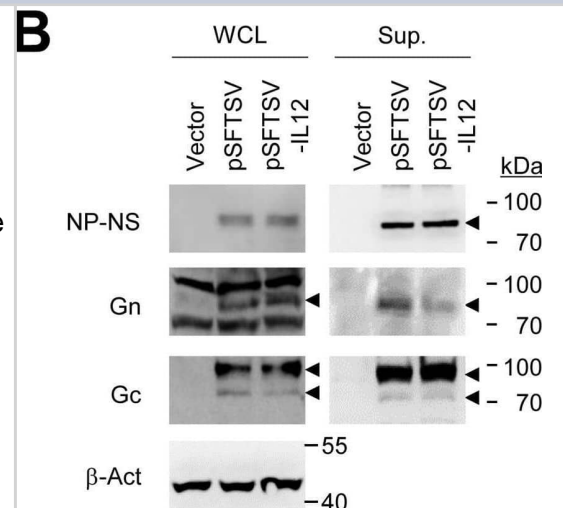
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS

Product Description	
Host	Rabbit
Gene ID	13231111
Gene Symbol	B303_sMgp1
Species	Virus
Specificity/Sensitivity	SFTS Virus HB29 Membrane Glycoprotein antibody is specific to the SFTS Virus HB29.
Immunogen	Antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human SFTS Virus HB29 Membrane Glycoprotein. The immunogen is located within amino acids 60 - 110 of SFTS Virus HB29. Amino Acid Sequence: QRGGRSQVSYYP AENSYSR

Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot, ELISA 1 ug/ml
Application Notes	Use in Western Blot reported in scientific literature (PMID:32196487).

**Images**

Characterization of gene expression after SFTSV DNA vaccine transfection. (A) Expression and secretion of the viral antigens and IL-12 in HEK293 cells transfected with the DNAs was confirmed by measuring the concentration of Flt3L and IL-12 in the cell culture supernatants by ELISA. Data are presented as mean + S.D. from triplicated experiments. (B) Expression of the viral antigens, Gn (~ 74 kDa), Gc (~ 71 kDa), and NP-NS fusion (~ 80 kDa) proteins, in cell lysates (left panels) and culture supernatants (right panels) of transfected HEK293 cells was assessed by immunoblot analysis using anti-Gn, Gc, or NP antibodies, respectively. The specific bands of antigens corresponding to their expected sizes are indicated with arrow heads.  $\beta$ -actin was used as loading control. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/32196487>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Jeong, DE;Yoon, J;Kim, B;Kang, JG; The immunogenicity and protection efficacy evaluation of mRNA vaccine candidate for severe fever with thrombocytopenia syndrome in mice PLoS neglected tropical diseases 2025-04-30 [PMID: 40305552]

Yoshikawa T, Taniguchi S, Kato H et al. A highly attenuated vaccinia virus strain LC16m8-based vaccine for severe fever with thrombocytopenia syndrome PLoS pathogens 2021-02-01 [PMID: 33534867] (WB, Virus)

Details:  
SFTS Virus HB29

Kang JG, Jeon K, Choi H et al. Vaccination with single plasmid DNA encoding IL-12 and antigens of severe fever with thrombocytopenia syndrome virus elicits complete protection in IFNAR knockout mice PLoS Negl Trop Dis 2020-03-01 [PMID: 32196487] (WB, Human)





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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

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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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