

# Product Datasheet

## SARS-CoV nsp13 Antibody

### NBP2-89168

Unit Size: 100 ul

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

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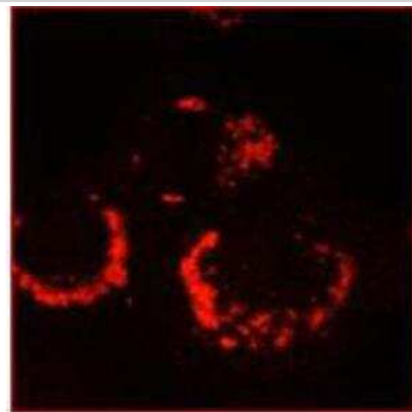
**NBP2-89168****SARS-CoV nsp13 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Sodium Azide
<b>Isotype</b>	Serum
<b>Purity</b>	Whole Antiserum
<b>Buffer</b>	Antiserum
<b>Target Molecular Weight</b>	66.87 kDa
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	1489680
<b>Gene Symbol</b>	orf1ab
<b>Species</b>	SARS-CoV
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: COVID-19 (100%)
<b>Specificity/Sensitivity</b>	This antibody is directed against SARS-Coronavirus nsp13 protein.
<b>Immunogen</b>	The antibody was developed by immunizing rabbits with a BSA-coupled synthetic peptide corresponding to amino acids 584-604 (C-klqftsleiprrnvatlg) from the N (Nonstructural protein 13) for the Human SARS coronavirus.
<b>Notes</b>	Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence 1:800, Immunoprecipitation 1:60
<b>Application Notes</b>	This antibody has been tested for use in western blotting, immunofluorescence microscopy and immunoelectron microscopy. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 67 kDa in size corresponding to SARS-CoV nsp13 by western blotting in the appropriate cell lysate or extract. For immunofluorescence microscopy, Vero-E6 cells, grown on glass slides, were infected with SARS-CoV-Fr1 strain for 1 h at 37C. Infection occurred in PBS/DEAE/2% FCS followed by exchange to EMEM/25mMHEPES/2% FCS. Cells were fixed with PBS/3% PFA. After washing fixed cells, antibody incubation was performed in PBS/5% FCS for 30 min.



## Images

Immunocytochemistry/Immunofluorescence: SARS-CoV nsp13 Antibody [NBP2-89168] - Immunofluorescence microscopy using anti-SARS-CoV nsp13 antibody, 6-h post infection Vero-E6 cells. For detection Cy3 conjugated Goat-anti-Rabbit IgG MX (NB120-6939) was used.



## Publications

Meng W, Guo S, Cao S et al. Development and characterization of a new monoclonal antibody against SARS-CoV-2 NSP12 (RdRp) Journal of medical virology 2022-10-21 [PMID: 36271490]



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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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