

# Product Datasheet

## SARS-CoV-2 ORF7a Antibody - BSA Free NBP3-11937

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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**NBP3-11937**

SARS-CoV-2 ORF7a 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

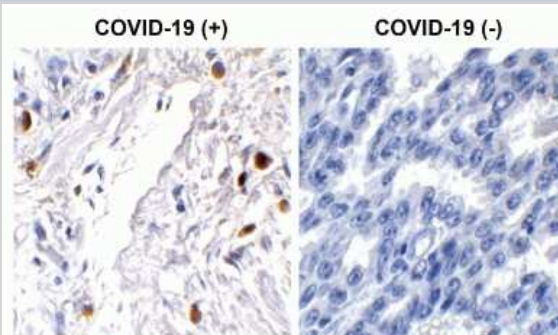
Product Description	
Host	Rabbit
Gene ID	43740573
Gene Symbol	ORF7a
Species	SARS-CoV-2
Immunogen	Antibody was raised against a peptide corresponding to 15 amino acids near the central domain of SARS-CoV-2 ORF7a protein. The immunogen is located within 40-90 amino acids of the SARS-CoV-2 ORF7a protein.

Product Application Details	
Applications	ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	ELISA 1 ug/mL, Immunohistochemistry 1 ug/ml, Immunohistochemistry-Paraffin

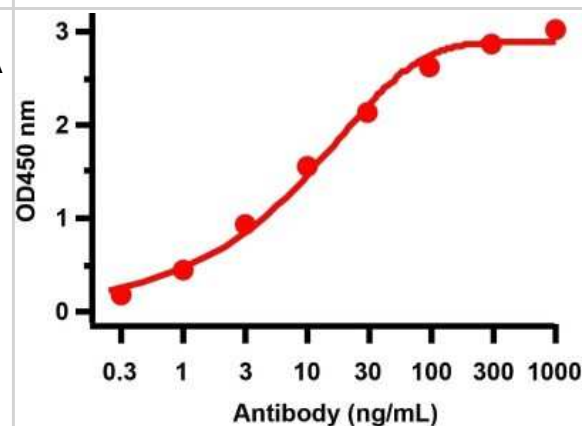


## Images

**Immunohistochemistry-Paraffin: SARS-CoV-2 ORF7a Antibody [NBP3-11937] - Immunohistochemistry Validation of SARS-CoV-2 (COVID-19) ORF7a in COVID-19 Patient Lung** Immunohistochemical analysis of paraffin-embedded COVID-19 patient lung tissue using anti- SARS-CoV-2 ORF7a antibody (NBP3-11937, 1 ug/mL). Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin. Strong signal of SARS-COV-2 ORF7a protein was observed in macrophages of COVID-19 patient lung, but not in non-COVID-19 patient lung.



**ELISA: SARS-CoV-2 ORF7a Antibody [NBP3-11937] - ELISA Validation Antibodies: SARS-CoV-2 ORF7a Antibody, NBP3-11937.** A direct ELISA was performed using SARS-CoV-2 ORF7a immunogen peptide as coating antigen and the anti-SARS-CoV-2 ORF7a antibody as the capture antibody. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:20000 dilution. Detection range is from 0.3 ng/mL to 1000 ng/mL





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### **Products Related to NBP3-11937**

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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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