

Product Datasheet

SARS-CoV-2 (COVID-19) Spike Antibody (HRP) (orb1239044)

Catalog Number	orb1239044
Description	SARS-CoV-2 (COVID-19) Spike Antibody (HRP)
Reactivity	Virus
Conjugation	Unconjugated
Tested Applications	ELISA, IHC
Immunogen	Anti-SARS-CoV-2 (COVID-19) Spike antibody (HRP) (3525) was raised against a peptide corresponding to 20 amino acids near the carboxy terminus of SARS-CoV-2 (COVID-19) Spike glycoprotein. The immunogen is located within the last 50 amino acids of SARS-CoV-2 (COVID-19) Spike protein.
Target	S
Preservatives	SARS-CoV-2 (COVID-19) Spike Antibody is supplied in PBS containing 0.02% sodium azide.
Form/Appearance	Liquid
Concentration	1 mg/mL
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	IHC: 1 µg/mL Antibody validated: Immunohistochemistry in COVID-19 patient samples. All other applications and species not yet tested.
Isotype	IgG
Clonality	Polyclonal

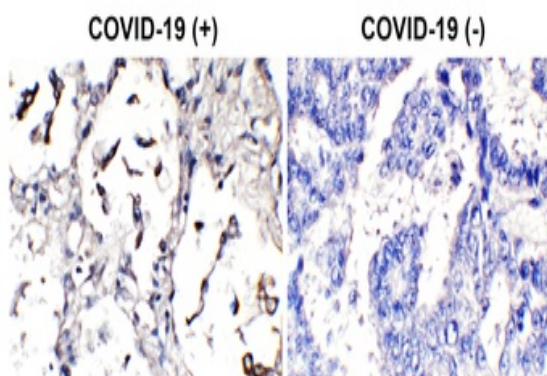
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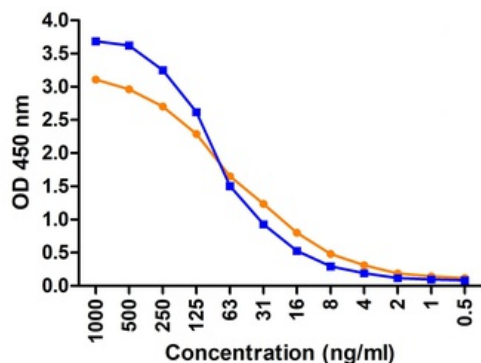
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Antibody Type	Primary Antibody
Uniprot ID	P0DTC2
NCBI	QHD43416
Expiration Date	12 months from date of receipt.



Immunohistochemistry Validation of SARS-CoV-2 (COVID-19) Spike in COVID-19 Patient Lung. Immunohistochemical analysis of paraffin-embedded COVID-19 patient lung tissue using anti-SARS-CoV-2 (COVID-19) spike antibody (orb1239044, 2 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 4 °C. Counter stained with Hematoxylin. Strong signal of SARS-COV-2 spike protein was observed in macrophages of COVID-19 patient lung, but not in non-COVID-19 patient lung.



ELISA Validation. Coating Antigen: immunogen peptide, orb1236596, 10 ug/mL, incubate at 4 °C overnight. Detection Antibodies: SARS-CoV-2 Spike antibody, orb1239044 or orb1239976, dilution: 0.5-1000 ng/mL, incubate at RT for 1 hr. orb1239976 was detected by anti-rabbit HRP-conjugated secondary antibodies at 1:10000, incubate at RT for 1 hr.

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