

## ARG43345 anti-SARS-CoV-2 Spike protein (RBD) antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes SARS-CoV-2 Spike protein (RBD)
Tested Reactivity	Virus
Tested Application	ELISA, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SARS-CoV-2 Spike protein (RBD)
Species	Virus
Immunogen	A 19-amino acid synthetic peptide within the last 50 amino acids of SARS-CoV-2 Spike protein (RBD).
Conjugation	Un-conjugated

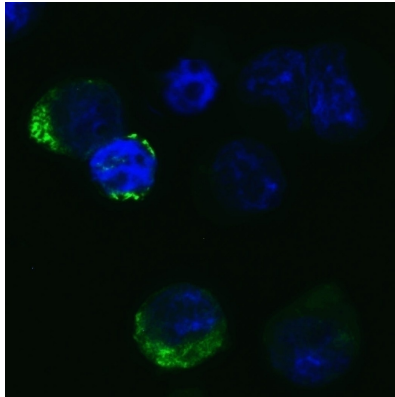
### Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	ICC/IF	20 µg/ml
	IHC-P	0.5 µg/ml
	WB	2 - 5 µg/ml

**Application Note** IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0).  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

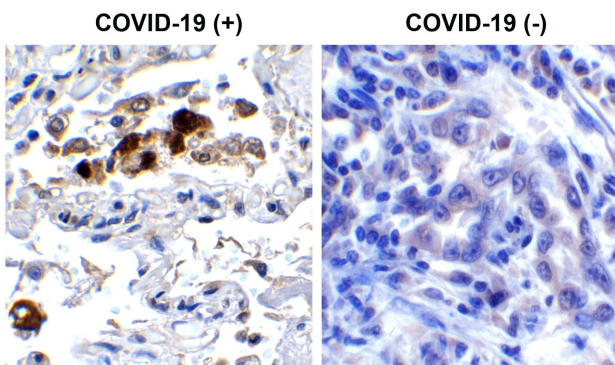
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.



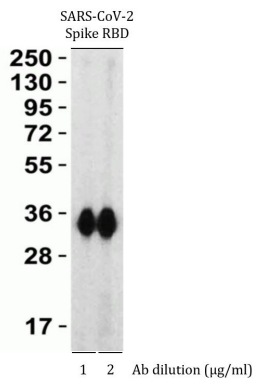
ARG43345 anti-SARS-CoV-2 Spike protein (RBD) antibody ICC/IF image

Immunofluorescence: 4% Paraformaldehyde-fixed Spike transfected 293 cells stained with ARG43345 anti-SARS-CoV-2 Spike protein (RBD) antibody (green) at 20 µg/ml dilution. DAPI (blue) for nuclear staining.



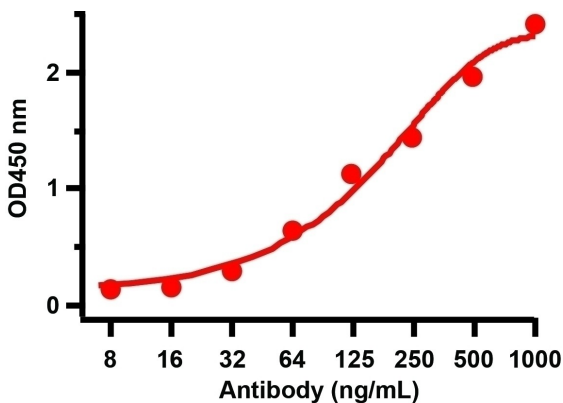
ARG43345 anti-SARS-CoV-2 Spike protein (RBD) antibody IHC-P image

Immunohistochemistry: Formaldehyde-fixed and paraffin-embedded COVID-19 patient lung tissue. Tissue was blocked with 10% serum for 1 hour at RT. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). Samples were stained with ARG43345 anti-SARS-CoV-2 Spike protein (RBD) antibody at 0.5 µg/ml dilution, overnight at 4°C. Counter stained with Hematoxylin. Strong signal of SARS-COV-2 Spike RBD protein was observed in macrophage of COVID-19 patient lung, but not in non-COVID-19 patient lung.



ARG43345 anti-SARS-CoV-2 Spike protein (RBD) antibody WB image

Western blot: 30 ng of SARS-CoV-2 Spike RBD recombinant protein stained with ARG43345 anti-SARS-CoV-2 Spike protein (RBD) antibody at 1 µg/ml (left) or 2 µg/ml (right) dilution, for 1 hour incubation at RT, in 5% NFDN/TBST.



ARG43345 anti-SARS-CoV-2 Spike protein (RBD) antibody ELISA image

Direct ELISA: SARS-CoV-2 Spike RBD recombinant protein as coating antigen and ARG43345 anti-SARS-CoV-2 Spike protein (RBD) antibody as the primary antibody.