

Product Datasheet

SARS-CoV-2 Spike Antibody (CR3022) [DyLight 488] NBP2-90980G

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-90980G

SARS-CoV-2 Spike Antibody (CR3022) [DyLight 488]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	CR3022
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	DyLight 488
Purity	Protein A purified
Buffer	50mM Sodium Borate

Product Description	
Host	Human
Gene ID	43740568
Gene Symbol	S
Species	SARS-CoV-2, SARS-CoV
Reactivity Notes	SARS-CoV, SARS-CoV-2
Specificity/Sensitivity	This antibody binds to both SARS-CoV and SARS-CoV-2 with high affinity (PMID: 16796401 & 32065055). It binds the amino acids 318-510 in the S1 domain of the SARS-CoV Spike protein as well as SARS-CoV-2 (COVID-19) Spike protein. The antibody also binds to P462L-substituted S318-510 fragments of the SARS spike protein. The binding epitope is only accessible in the "open" conformation of the spike protein (Joyce et al. 2020).
Immunogen	The original monoclonal antibody was generated through an scFv library derived from a peripheral blood lymphocytes of a patient exposed to the SARS-CoV.
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

Product Application Details	
Applications	ELISA, Immunocytochemistry/ Immunofluorescence, Neutralization, Surface Plasmon Resonance
Recommended Dilutions	ELISA, Immunocytochemistry/ Immunofluorescence, Surface Plasmon Resonance, Neutralization
Application Notes	Optimal dilution of this antibody should be experimentally determined.

Publications

Fiachra Humphries, Liraz Shmuel-Galia, Zhaozhao Jiang, Ruth Wilson, Philip Landis, Sze-Ling Ng, Krishna-Mohan Parsi, Rene Maehr, John Cruz, Angel Morales-Ramos, Joshi M. Ramanjulu, John Bertin, G. Scott Pesiridis, Katherine A. Fitzgerald A diamidobenzimidazole STING agonist protects against SARS-CoV-2 infection Science Immunology 2021-05-18 [PMID: 34010139]





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Products Related to NBP2-90980G

NBP3-06872G	Human IgG1 Kappa Isotype Control [DyLight 488]
NBP3-14666-100ug	SARS-CoV-2 Spike Recombinant Protein
10549-CV-100	SARS-CoV-2 Spike [Unconjugated]

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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