

DATASHEET

COVID-19 S1 Protein Human Cells Monoclonal Antibody(C2470)

CAT. NO. AMA02082

KEY FEATURES

Target	COVID-19 S1 Protein	Source / Host	Human Cells
Reactivity	COVID-19	Clonality	Monoclonal
Applications	ELISA	Conjugation	Unconjugated
Form / Buffer	1 mg/ml. IgG1. Liquid in 0.01M Phosphate Buffered Saline, pH 7.4.	Storage	at-20°C

BACKGROUND

Attaches the virion to the cell membrane by interacting with host receptor; initiating the infection. The major receptor is host ACE2 . When S2/S2' has been cleaved, binding to the receptor triggers direct fusion at the cell membrane . When S2/S2' has not been cleaved, binding to the receptor results in internalization of the virus by endocytosis using host TFRC and GRM2 and leading to fusion of the virion membrane with the host endosomal membrane . Alternatively, may use NRP1/NRP2 and integrin as entry receptors . The use of NRP1/NRP2 receptors may explain the tropism of the virus in human olfactory epithelial cells, which express these molecules at high levels but ACE2 at low levels . Uses also ASGR1 as an alternative receptor in an ACE2-independent manner .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

ELISA	Use at an assay dependent dilution.
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Recombinant human monoclonal antibody recognizes COVID-19 S1 Protein Antibody.
Specificity	Recognizes COVID-19 S1 protein or COVID-19 S-RBD Protein.
Antibody Type	Primary antibody
Purification	>95%
Form/Buffer	1 mg/ml. IgG1. Liquid in 0.01M Phosphate Buffered Saline, pH 7.4.
Alternative Names	Spike glycoprotein; S glycoprotein; E2; Peplomer protein
Gene Symbol	S
Entrez Gene	43740568(Human)
SwissProt	P0DTC2(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

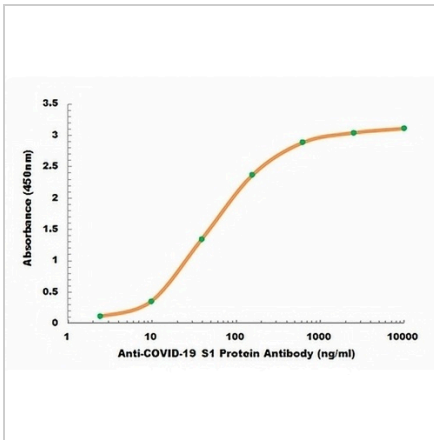
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA



Indirect ELISA analysis of COVID-19 S1 Protein. Coat a 96-well microplate with 100 µl per well of 5 µg/ml COVID-19 S1 Protein.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.