Product Datasheet

Anti-COVID-19 & SARS-CoV S glycoprotein [CR3022] (orb758976)

Catalog Number	orb758976
Description	Mouse monoclonal antibody to COVID-19 & SARS-CoV S glycoprotein
Species/Host	Human
Reactivity	Virus
Conjugation	Unconjugated
Tested Applications	ELISA, IF
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.
Target	COVID-19 & SARS-CoV S glycoprotein
Preservatives	PBS with 0.02% Proclin 300.
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
Isotype	Human IgG2b
Clonality	Monoclonal
Clone Number	CR3022
Purity	Purified
Uniprot ID	P59594

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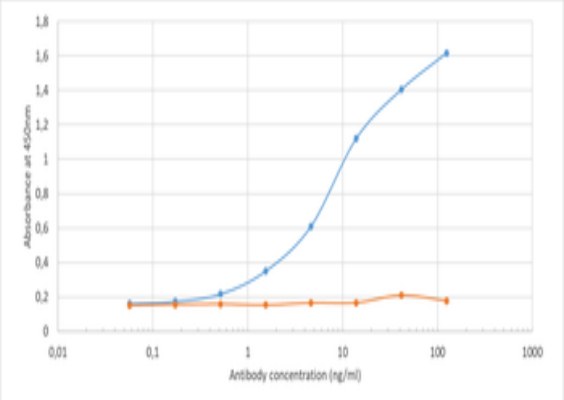
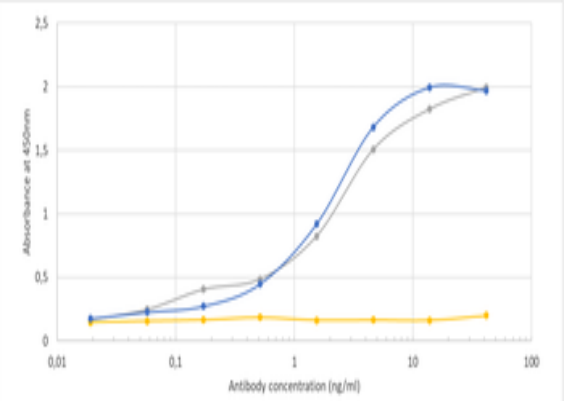
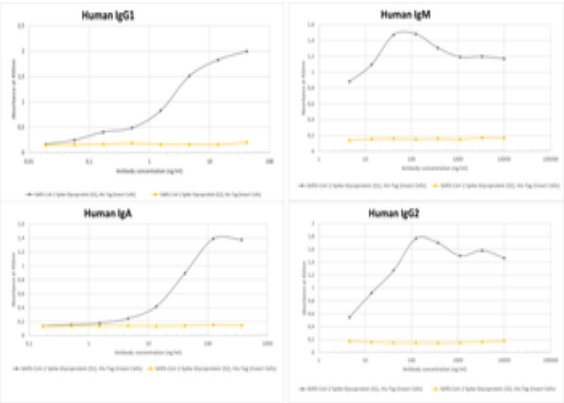
Expiration Date 12 months from date of receipt.



Binding curve of anti-COVID-19 & SARS-CoV S glycoprotein antibody CR3022 (orb669766) to SARS-CoV-2 Spike Glycoprotein (S1), Sheep Fc-Tag and SARS-CoV-2 Spike Glycoprotein (S2), Sheep Fc-Tag from HEK293 cells. ELISA plate coated with SARS-CoV-2 Spike Glycoprotein (S1), Sheep Fc-Tag (blue line) or SARS-CoV-2 Spike Glycoprotein (S2), Sheep Fc-Tag (orange line) from HEK293 cells (The Native Antigen Company) at concentrations of 5 µg/ml. A 3-fold serial dilution from 125 ng/ml was performed using orb669766. For detection, a 1:4000 dilution of HRP-labelled anti-human IgG antibody was used.



Binding curve of anti-COVID-19 & SARS-CoV S glycoprotein antibody CR3022 (orb669766) to SARS-CoV-2 Spike Glycoprotein domains S1 and S2 of various origin. ELISA plate coated with SARS-CoV-2 Spike Glycoprotein (S1), His-Tag (Insect Cells; grey line), SARS-CoV-2 Spike Glycoprotein (S2), His-Tag (Insect Cells; yellow line) and SARS Coronavirus Spike Glycoprotein (S1), His-Tag (HEK293 cells; blue line) (The Native Antigen Company) at concentrations of 5 µg/ml. A 3-fold serial dilution from 41.6 ng/ml was performed using orb669766. For detection, a 1:4000 dilution of HRP-labelled anti-human IgG antibody was used.



Binding curve of four different formats of anti-COVID-19 & SARS-CoV S glycoprotein antibody CR3022 to SARS-CoV-2 Spike Glycoprotein domains S1 and S2 (His-Tag (Insect Cells)). ELISA plate coated with SARS-CoV-2 Spike Glycoprotein (S1), His-Tag (Insect Cells; grey line) and SARS-CoV-2 Spike Glycoprotein (S2), His-Tag (Insect Cells; yellow line) (Native Antigen) at concentrations of 5 µg/ml.

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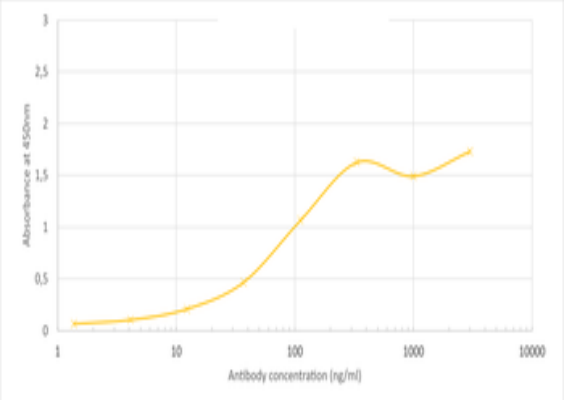

ELISA using CR3022 and the Brazilian mutant Spike protein (B1.1.24 / P.1). The plate was coated with the mutant Spike protein P.1 (The Native Antigen Company) at 2.5 µg/ml.

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