

Product Datasheet

COVID-19 & SARS-CoV S glycoprotein Antibody [CR3022], Human IgG1 (orb1671578)

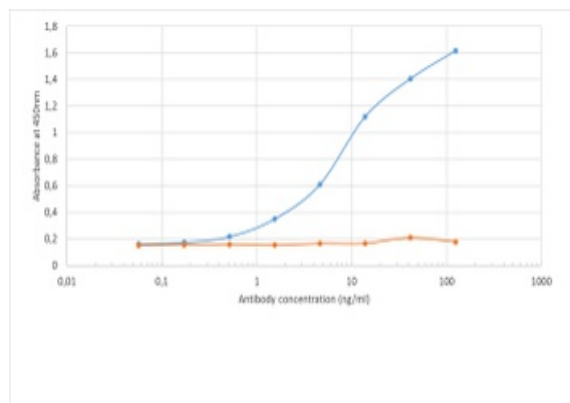
Catalog Number	orb1671578
Description	COVID-19 & SARS-CoV S glycoprotein Antibody [CR3022], Human IgG1
Reactivity	Virus
Conjugation	Unconjugated
Tested Applications	Crystallography, ELISA, IF
Immunogen	The original monoclonal antibody was generated by sequencing peripheral blood lymphocytes of a patient exposed to the SARS-CoV.
Target	S
Preservatives	PBS with 0.02% Proclin 300.
Concentration	batch dependent
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	IgG1 kappa
Clonality	Recombinant
Clone Number	CR3022
Antibody Type	Primary Antibody
Uniprot ID	P59594
Expiration Date	12 months from date of receipt.

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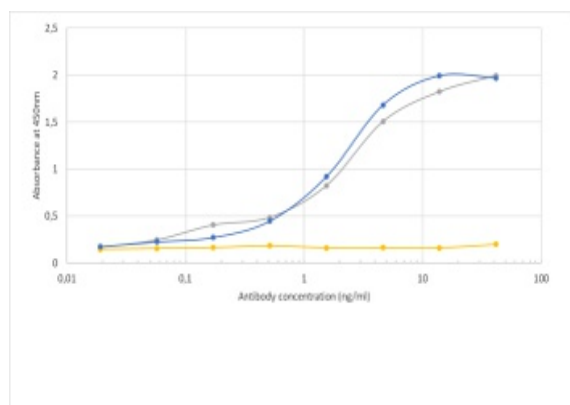
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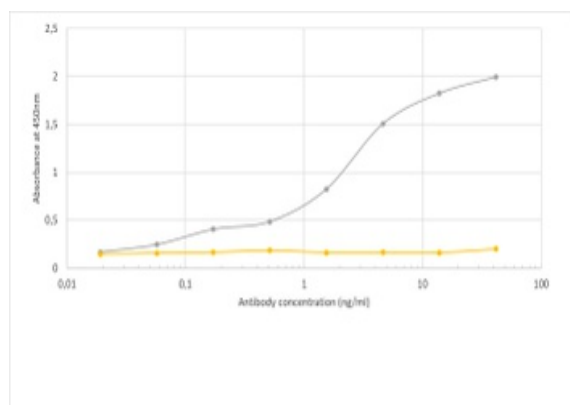
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Binding curve of anti-COVID-19 & SARS-CoV S glycoprotein antibody CR3022 (orb1671578) to SARS-CoV-2 Spike Glycoprotein (S1)- Sheep Fc-Tag and SARS-CoV-2 Spike Glycoprotein (S2)- Sheep Fc-Tag from HEK293 cells. ELISA plate coated with SARS-CoV-2 Spike 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 ug/ml. A 3-fold serial dilution from 125 ng/ml was performed using orb1671578. For detection- a 1:4000 dilution of HRP-Inti-human IgG antibody was used.



Binding curve of anti-COVID-19 & SARS-CoV S glycoprotein antibody CR3022 (orb1671578) 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 ug/ml. A 3-fold serial dilution from 41.6 ng/ml was performed using orb1671578. For detection- a 1:4000 dilution of HRP-Inti-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 ug/ml. A 3-fold serial dilution from 41.6 ng/ml was performed using orb1671578; from 370 ng/ml for 6.0 and from 10000 ng/ml for 5.0 and 1.0. Human IgM- human IgA and human IgG2 were HRP-conjugated and for the detection of human IgG1 a 1:4000 dilution of HRP-Inti-human IgG antibody was used.

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