

SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1003-HU]

Cat. No. GTX635866

Host	Human
Clonality	Monoclonal
Isotype	IgG
Applications	ELISA, Neutralizing/Inhibition, Sandwich ELISA
Reactivity	SARS Coronavirus 2

References (3)

Package

100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
ELISA	Assay dependent
Neutralizing/Inhibition	Assay dependent
Sandwich ELISA	Assay dependent

Note : This antibody inhibits infection of mammalian cells by live SARS-CoV-2.**Capture : GTX635807, Detection: GTX635866.**

Not tested in other applications.

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein corresponding to SARS-CoV-2 (COVID-19) Spike RBD (SARS-CoV-2 (strain Wuhan-Hu-1)). The exact sequence is proprietary.
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

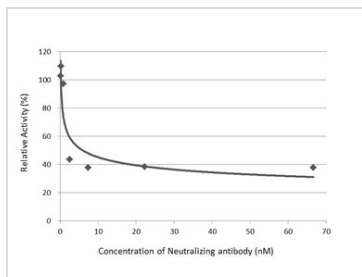
Note

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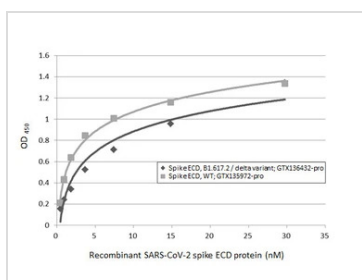
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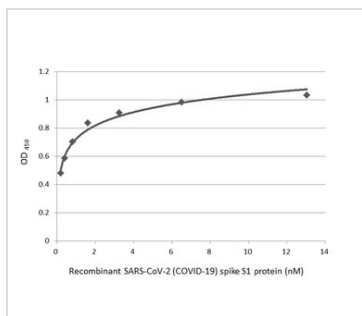
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DATA IMAGES

GTX635866 Neutralizing/Inhibition Image

Inhibition analysis of immobilized recombinant SARS-CoV-2 (COVID-19) Spike RBD protein, His tag (active) (GTX136090-pro) (coated at 2 µg/mL) binding to soluble recombinant Human ACE2 (ECD) protein, mouse IgG Fc tag (active) (GTX135683-pro) (1000 ng/mL). ACE2 binding was inhibited by increasing concentrations of SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1003-HU] (GTX635866) (0.09-66.67 nM). Bound ACE2 was detected by Goat Anti-Mouse IgG antibody (HRP) (GTX213111-01) (1:10000).


GTX635866 ELISA Image

Indirect ELISA analysis performed by coating plate with recombinant Spike ECD protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; B1.617.2 delta variant) (29.71-0.46 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1003-HU] (GTX635866) (1 µg/mL). Human IgG antibody (HRP) (1:200000) was used to detect bound primary antibody.


GTX635866 ELISA Image

Sandwich ELISA detection of recombinant SARS-CoV-2 (COVID-19) Spike S1 protein, His tag (active) (GTX135817-pro) using antibodies as below.

Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (GTX635807) (5 µg/mL)

Detection: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1003-HU] (GTX635866) (1 µg/mL) **Anti-Human IgG antibody (HRP) was diluted at 1:200000 and used to detect the primary antibody.**



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