

SARS-CoV-2 (COVID-19) Spike RBD protein, His tag (active)

Cat. No. GTX136090-pro**Applications** Binding Assay, WB, ELISA, Sandwich ELISA**Species** SARS Coronavirus 2**References** (2)**Package**

100 µg

Applications

Application Note

Recommended antibody pairs for sandwich ELISA:

Capture: GTX635807, Detection: GTX635791-01.

Properties

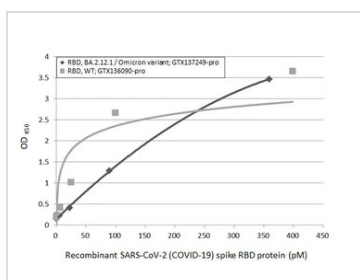
Form Liquid**Buffer** PBS**Preservative** No preservative**Storage** Store as concentrated solution. Centrifuge briefly prior to opening vial. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. For long-term storage after reconstitution, aliquot and store at -70°C or below. Do not vortex.**Concentration** 0.7 mg/ml (Please refer to the vial label for the specific concentration.)**Region/Sequence** SARS-CoV-2 Spike RBD of QHD43416.1 (319-541 a.a) and His tag at the C-terminus**Expression System** HEK293 cells**Purity** >95%**Conjugation** Unconjugated

Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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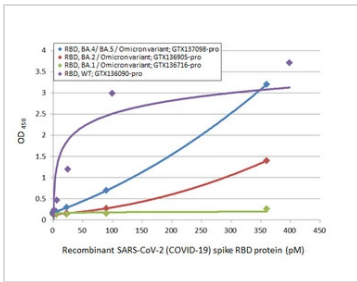
DATA IMAGES



GTX136090-pro ELISA Image

Sandwich ELISA detection of recombinant Spike RBD Protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; BA.2.12.1 Omicron variant) 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] (HRP) (GTX635792-01) (1 µg/mL)For full product information, images and publications, please visit our [website](#).

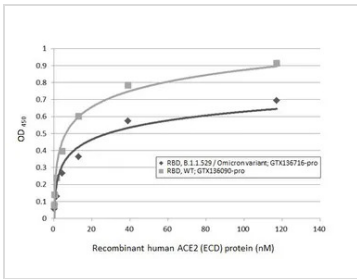


GTX136090-pro ELISA Image

Sandwich ELISA detection of recombinant Spike RBD Protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; BA.1 Omicron variant; BA.2 Omicron variant; BA.4/ BA.5 Omicron variant) using antibodies as below.

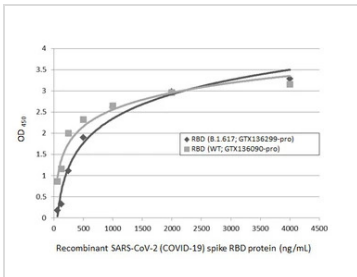
Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (GTX635807) (5 µg/mL)

Detection: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1004] (HRP) (GTX635793-01) (1 µg/mL)



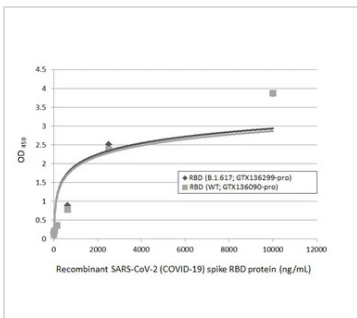
GTX136090-pro Binding Assay Image

Functional ELISA analysis of immobilized recombinant Spike RBD Protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; B.1.1.529 Omicron variant) (coated at 2 µg/mL) binding to soluble recombinant Human ACE2 (ECD) protein, mouse IgG Fc tag (active) (GTX135683-pro) (0.16-117.19 nM). Bound protein was detected by Goat Anti-Mouse IgG antibody (HRP) (GTX213111-01) (1:10000).



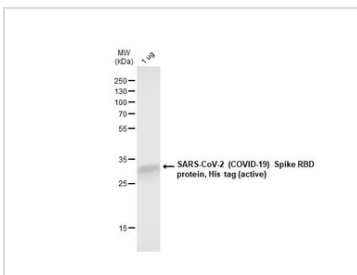
GTX136090-pro ELISA Image

Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) Spike RBD (L452R, E484Q Mutant) protein, His tag (active) (Indian variant) (GTX136299-pro) and SARS-CoV-2 (COVID-19) Spike RBD protein, His tag (active) (Wild type) (GTX136090-pro) (4000-62.5 ng/mL). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1002] (GTX635791) (1 µg/mL). Rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect bound primary antibody.



GTX136090-pro ELISA Image

Sandwich ELISA detection of recombinant SARS-CoV-2 (COVID-19) Spike RBD (L452R, E484Q Mutant) protein, His tag (active) (Indian variant) (GTX136299-pro) and SARS-CoV-2 (COVID-19) Spike RBD protein, His tag (active) (Wild type) (GTX136090-pro) using SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (GTX635807) as capture antibody at concentration of 5 µg/mL and HRP-conjugated SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1002] (GTX635791) as detection antibody at concentration of 1 µg/mL. Please notice that GTX635791 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635807. Please contact us for custom HRP-conjugated antibody.



GTX136090-pro Image

1 µg of GTX136090-pro SARS-CoV-2 (COVID-19) Spike RBD protein, His tag (active) protein was analyzed using SDS-PAGE and stained with coomassie blue and captured by monochrome camera.



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