

SARS-CoV-2 (COVID-19) Spike (ECD) Protein, B.1.351 / Beta variant, His tag (active)

Cat No. GTX136061-pro

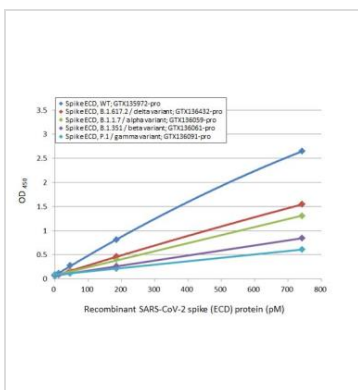
Application	ELISA, Functional Assay, Sandwich ELISA
Species	SARS Coronavirus 2

Package
100 µg

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.
Concentration	batch dependent (Please refer to the vial label for the specific concentration.)
Region/Sequence	SARS-CoV-2 Spike of QHD43416.1 (1-1213 a.a, extracellular domain) with South Africa variant (501Y.V2 / B.1.351) mutations (L18F, D80A, D215G, R246I, K417N, E484K, N501Y, D614G, A701V), S1-S2 cleavage site mutations (682-685GSAS), 6 stabilizing (HexaPro) mutations (F817P, A892P, A899P, A942P, K986P, V987P), and His tag at the C-terminus.
Expression System	HEK293 cells
Purity	>95%
Conjugation	Unconjugated
Note	For <i>In vitro</i> laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

DATA IMAGES



GTX136061-pro ELISA Image

Sandwich ELISA detection of recombinant Spike ECD protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; B.1.617.2 delta variant; B.1.1.7 alpha variant; B.1.351 beta variant; P.1 gamma variant) using antibodies as below.

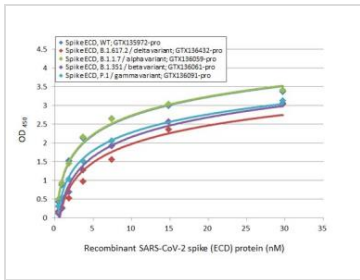
Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (GTX635807) (5 µg/mL)

Detection: HRP-conjugated SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1002] (GTX635791) (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.

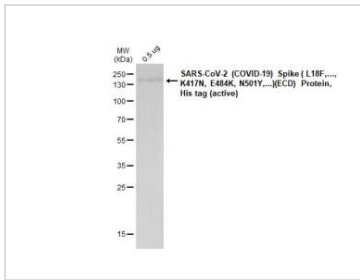


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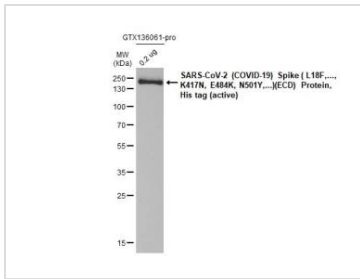
GTX136061-pro ELISA Image

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; B.1.1.7 alpha variant; B.1.351 beta variant; P.1 gamma variant; B.1.617.2 delta variant) (29.71-0.46 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1002] (GTX635791) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect bound primary antibody.



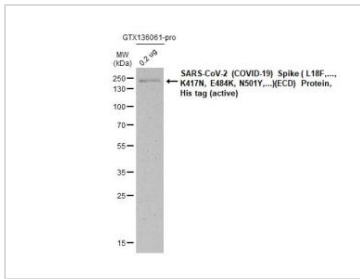
GTX136061-pro Image

0.5 µg of GTX136061-pro SARS-CoV-2 (COVID-19) Spike (L18F,..., K417N, E484K, N501Y,...)(ECD) Protein, His tag (active) protein was analyzed using SDS-PAGE and stained with coomassie blue and captured by monochrome camera.



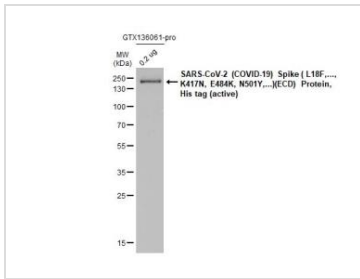
GTX136061-pro Image

SARS-CoV-2 (COVID-19) Spike (L18F,..., K417N, E484K, N501Y,...)(ECD) Protein, His tag (active) (GTX136061-pro, 0.2 µg) was separated by 12% SDS-PAGE, and the membrane was blotted with SARS-CoV / SARS-CoV-2 (COVID-19) spike antibody [1A9] (GTX632604) diluted at 1:5000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX136061-pro Image

SARS-CoV-2 (COVID-19) Spike (L18F,..., K417N, E484K, N501Y,...)(ECD) Protein, His tag (active) (GTX136061-pro, 0.2 µg) was separated by 12% SDS-PAGE, and the membrane was blotted with SARS-CoV-2 (COVID-19) Spike S2 antibody [HL1038] (GTX635910) diluted at 1:150000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX136061-pro Image

SARS-CoV-2 (COVID-19) Spike (L18F,..., K417N, E484K, N501Y,...)(ECD) Protein, His tag (active) (GTX136061-pro, 0.2 µg) was separated by 12% SDS-PAGE, and the membrane was blotted with SARS-CoV-2 (COVID-19) Spike S2 / S2' antibody [HL1039] (GTX635911) diluted at 1:140000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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