

# SARS-CoV-2 (COVID-19) Spike (ECD) Protein, B.1.1.7 / Alpha variant, His tag (active)

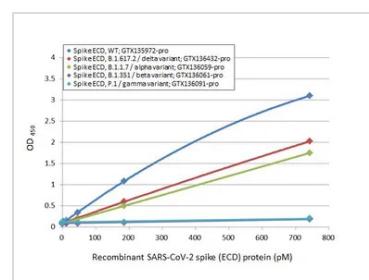
## Cat. No. GTX136059-pro

<b>Applications</b>	Binding Assay, WB, ELISA, Sandwich ELISA	<b>Package</b>
<b>Species</b>	SARS Coronavirus 2	100 µg

### Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS
<b>Preservative</b>	No preservatives
<b>Storage</b>	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.
<b>Concentration</b>	0.3 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Region/Sequence</b>	SARS-CoV-2 Spike of QHD43416.1 (1-1213 a.a, extracellular domain) with UK variant (501Y.V1 / B.1.1.7) mutations (deletion 69-70, deletion 144, N501Y, A570D, D614G, P681H, T716I, S982A, D1118H), S1-S2 cleavage site mutations (682-685GSAS), 6 stabilizing (HexaPro) mutations (F817P, A892P, A899P, A942P, K986P, V987P), and T4 trimerization domain as well as a C-terminal His tag.
<b>Expression System</b>	HEK293 cells
<b>Purity</b>	>95%
<b>Conjugation</b>	Unconjugated
<b>Note</b>	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

### DATA IMAGES



#### GTX136059-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.1.1.7 alpha variant; B.1.351 beta variant; P.1 gamma variant; B1.617.2 delta variant) using antibodies as below.

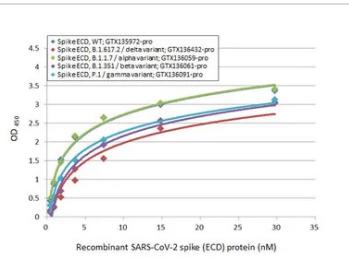
**Capture:** SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (GTX635807) (5 µg/mL)

**Detection:** SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1003] (HRP) (GTX635792-01) (1 µg/mL)



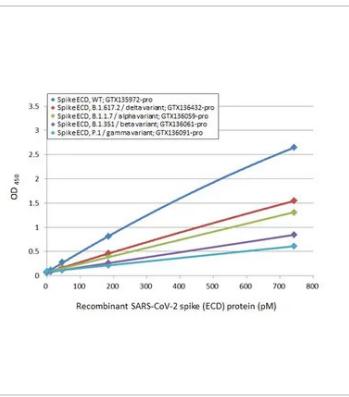
For full product information, images and publications, please visit our [website](#).

Date 2026 / 01 / 31 Page 1 of 2



### GTX136059-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; B1.617.2 delta variant) (29.71-0.46 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1002] (GTX635791) (1  $\mu$ g/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect bound primary antibody.



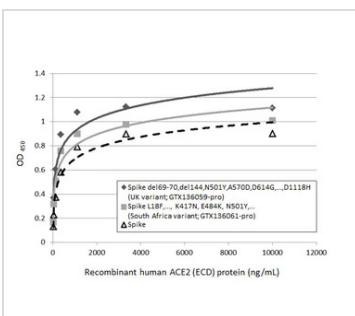
### GTX136059-pro ELISA Image

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  $\mu$ g/mL)

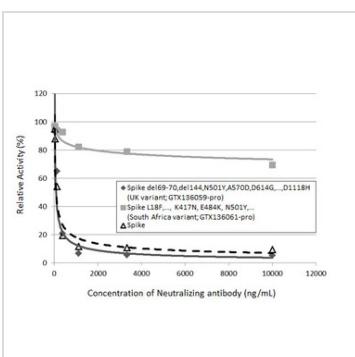
**Detection:** HRP-conjugated SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1002] (GTX635791) (1  $\mu$ g/mL)

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.



### GTX136059-pro Binding Assay Image

Functional ELISA analysis of immobilized recombinant SARS-CoV-2 (COVID-19) Spike (del69-70,del144,N501Y,A570D,D614G,...,D1118H) (ECD) Protein, His tag (active) (UK variant) (GTX136059-pro), SARS-CoV-2 (COVID-19) Spike (L18F,...,K417N, E484K, N501Y,...) (ECD) Protein, His tag (active) (South Africa variant) (GTX136061-pro) and SARS-CoV-2 (COVID-19) Spike Protein (Wild type) (coated at 2  $\mu$ g/mL) binding to soluble recombinant Human ACE2 (ECD) protein, mouse IgG Fc tag (active) (GTX135683-pro) (14-10000 ng/mL). Bound protein was detected by Goat Anti-Mouse IgG antibody (HRP) (GTX213111-01) (1:10000).



### GTX136059-pro Binding Assay Image

Inhibition analysis of immobilized recombinant SARS-CoV-2 (COVID-19) Spike (del69-70,del144,N501Y,A570D,D614G,...,D1118H) (ECD) Protein, His tag (active) (UK variant) (GTX136059-pro), SARS-CoV-2 (COVID-19) Spike (L18F,...,K417N, E484K, N501Y,...) (ECD) Protein, His tag (active) (South Africa variant) (GTX136061-pro) and SARS-CoV-2 (COVID-19) Spike Protein (coated at 2  $\mu$ g/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 [HL1004] (GTX635793) (14-10000 ng/mL). Bound ACE2 was detected by Goat Anti-Mouse IgG antibody (HRP) (GTX213111-01) (1:10000).



For full product information, images and publications, please visit our [website](#).