

# SARS-CoV-2 (COVID-19) Spike (ECD) Protein, B.1.617.2 / delta variant, His tag (active)

## Cat. No. GTX136432-pro

**Applications** Binding Assay, ELISA, Sandwich ELISA

**Species** SARS Coronavirus 2

**Package**

100 µg

### Applications

#### Application Note

Recommended antibody pairs for sandwich ELISA:

Capture: GTX635807, Detection: GTX635791.

Please notice that GTX635791 needs to be conjugated to HRP when paired with GTX635807. Please contact us for custom HRP-conjugated antibody.

### Properties

**Form** Liquid

**Buffer** PBS

**Preservative** No preservatives

**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** 0.4 mg/ml (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 delta variant (B.1.617.2) mutations (T19R, G142D, del156-157, R158G, L452R, T478K, D614G, P681R, D950N), 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.

**Expression System** HEK293 cells

**Purity** >95%

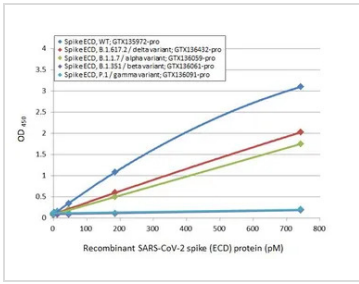
**Conjugation** Unconjugated

**Note** For *In vitro* laboratory 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

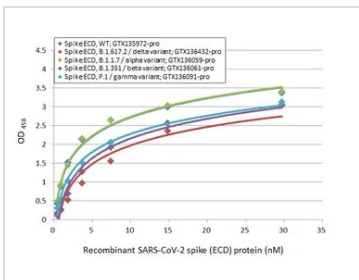


**GTX136432-pro ELISA Image**

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.

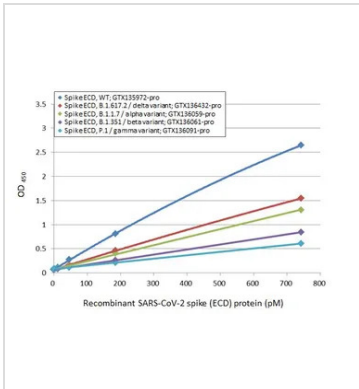
**Capture:** SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (GTX635807) (5 µg/mL)

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



**GTX136432-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 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect bound primary antibody.



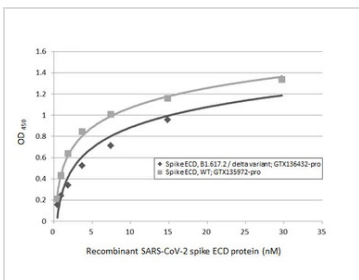
**GTX136432-pro ELISA Image**

Sandwich ELISA detection of recombinant Spike ECD protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; B1.617.2 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.



**GTX136432-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; 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.



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