

## SARS-CoV-2 (COVID-19) Spike (ECD) Protein, Omicron / BA.1 variant, His tag

**Cat. No. GTX136780-pro****Application** Binding Assay, WB, ELISA, Sandwich ELISA**Species** SARS Coronavirus 2

Reference ( 1 )

Package

100 µg

## APPLICATION

**Application Note**

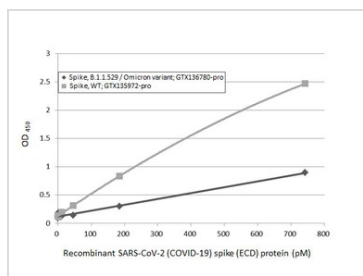
Recommended antibody pairs for sandwich ELISA:

Capture : GTX635807, Detection : GTX635792-01.

## PROPERTIES

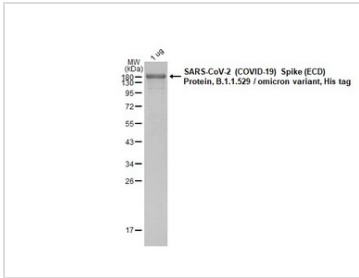
**Form** Lyophilized powder**Buffer** Reconstitute with distilled water to 0.8 mg/ml. Lyophilized from PBS, 2% Trehalose, 5% Mannitol, 0.01% Tween-80.**Preservative** No Preservative**Storage** Store at 4°C or below. After reconstitution, keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. For long-term storage after reconstitution, aliquot and store at -70°C or below. Do not vortex.**Region/Sequence** SARS-CoV-2 Spike of QHD43416.1 (1-1213 a.a, extracellular domain) with Omicron variant (BA.1 / B.1.1.529) mutations (A67V, del69-70, T95I, del142-144, Y145D, del211, L212I, ins214EPE, G339D, S371L, S373P, S375F, K417N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, N501Y, Y505H, T547K, D614G, H655Y, N679K, P681H, N764K, D796Y, N856K, Q954H, N969K, L981F), 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.

## DATA IMAGES

**GTX136780-pro ELISA Image**

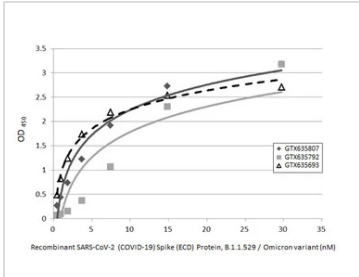
Sandwich ELISA detection of recombinant Spike ECD protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; B.1.1.529 Omicron variant) using antibodies as below.

**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](#).



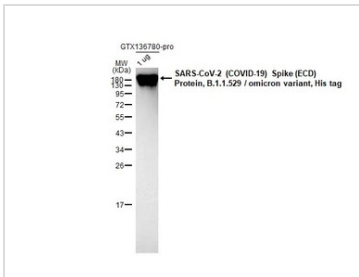
#### GTx136780-pro Image

GTx136780-pro SARS-CoV-2 (COVID-19) Spike (ECD) Protein, B.1.1.529 / omicron variant, His tag protein were analyzed using SDS-PAGE and stained with coomassie blue and captured by monochrome camera.



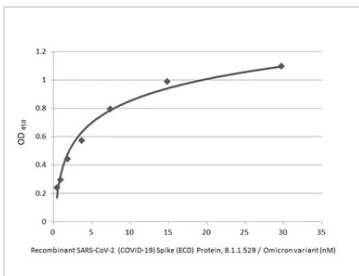
#### GTx136780-pro ELISA Image

Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) Spike (ECD) Protein, B.1.1.529 / Omicron variant, His tag (GTx136780-pro) (29.71-0.46 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (GTx635807), SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1003] (GTx635792), and SARS-CoV-2 (COVID-19) Spike S2 antibody [HL237] (GTx635693) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTx213110-01) (1:10000) was used to detect bound primary antibody.



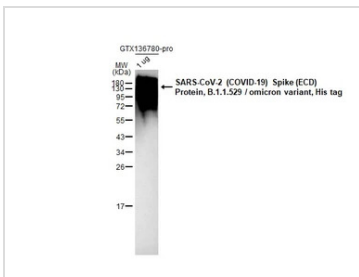
#### GTx136780-pro WB Image

SARS-CoV-2 (COVID-19) Spike (ECD) Protein, B.1.1.529 / omicron variant, His tag (1 µg, GTx136780-pro) were separated by 12% SDS-PAGE, and the membrane was blotted with SARS-CoV-2 (COVID-19) Spike RBD antibody [HL257] (GTx635692) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



#### GTx136780-pro ELISA Image

Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) Spike (ECD) Protein, B.1.1.529 / Omicron variant, His tag (GTx136780-pro) (29.71-0.46 nM). Coated protein was probed with SARS-CoV / SARS-CoV-2 (COVID-19) spike antibody [1A9] (GTx632604) (1 µg/mL). Goat anti-mouse IgG antibody (HRP) (GTx213111-01) (1:10000) was used to detect bound primary antibody.



#### GTx136780-pro WB Image

SARS-CoV-2 (COVID-19) Spike (ECD) Protein, B.1.1.529 / Omicron variant, His tag (1 µg, GTx136780-pro) were 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.



For full product information, images and publications, please visit our [website](https://www.genetex.com).