

## SARS-CoV-2 (COVID-19) Spike RBD Protein, Omicron / BF.7 variant, His tag

## Cat. No. GTX137878-pro

<b>Applications</b>	Binding Assay, ELISA, Sandwich ELISA
<b>Species</b>	SARS Coronavirus 2

Package

100 µg

## Applications

## Application Note

Capture : GTX635807, Detection : GTX637591 / GTX637592. Please notice that GTX637591 / GTX637592 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635807. Please contact us for custom HRP-conjugated antibody.

## Properties

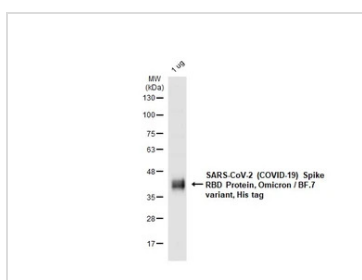
<b>Form</b>	Lyophilized powder
<b>Buffer</b>	Reconstitute with distilled water to 0.5 mg/ml. Lyophilized from PBS, 2% Trehalose, 5% Mannitol, 0.01% Tween-80.
<b>Preservative</b>	No preservatives
<b>Storage</b>	Store at 4°C or below. After reconstitution, keep as concentrated solution. Aliquot and store 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.
<b>Region/Sequence</b>	SARS-CoV-2 Spike RBD of QHD43416.1 (319-541 a.a.) with G339D,R346T,S371F,S373P,S375F,T376A,D405N,R408S,K417N,N440K,L452R,S477N,T478K,E484A,F486V,Q498R,N501Y,Y505H and a C-terminal His tag.
<b>Expression System</b>	HEK293 cells
<b>Purity</b>	> 95%
<b>Conjugation</b>	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.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

## DATA IMAGES

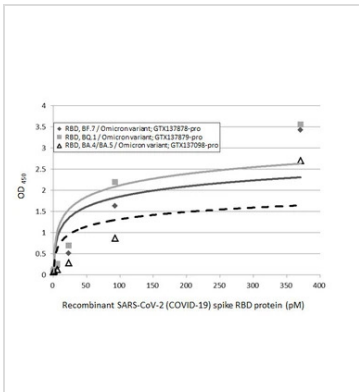


## GTX137878-pro Image

GTX137878-pro SARS-CoV-2 (COVID-19) Spike RBD Protein, Omicron / BF.7 variant, His tag was analyzed using SDS-PAGE and stained with coomassie blue and captured by monochrome camera.



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



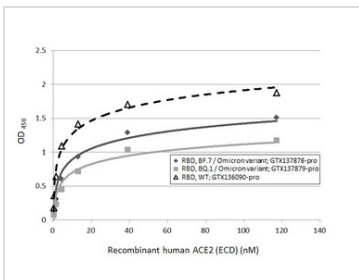
**GTX137878-pro ELISA Image**

Sandwich ELISA detection of recombinant Spike RBD Protein(s) derived from different strains of SARS-CoV-2 virus (ie., BA.4/BA.5 Omicron variant; BF.7 Omicron variant; BQ.1 Omicron variant) using antibodies as below.

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

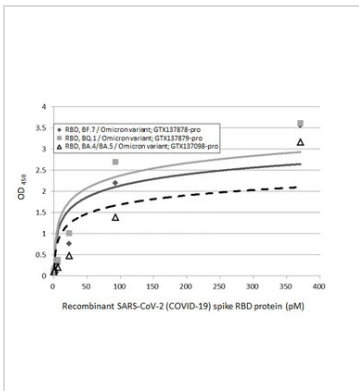
**Detection:** HRP-conjugated SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1866] (GTX637591) (1 µg/mL)

Please notice that GTX637591 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635807. Please contact us for custom HRP-conjugated antibody.



**GTX137878-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; BF.7 Omicron variant; BQ.1 Omicron variant) (coated at 2 µg/mL) binding to soluble recombinant Human ACE2 (ECD) protein, mouse IgG Fc tag (active) (GTX135683-pro) (-10000, 3333, 1111, 370, 123, 41, 13 ng/ml). Bound protein was detected by Goat Anti-Mouse IgG antibody (HRP) (GTX213111-01) (1:10000).



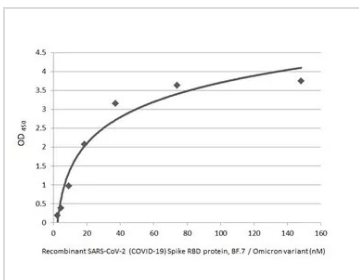
**GTX137878-pro ELISA Image**

Sandwich ELISA detection of recombinant Spike RBD Protein(s) derived from different strains of SARS-CoV-2 virus (ie., BA.4/BA.5 Omicron variant; BF.7 Omicron variant; BQ.1 Omicron 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 Omicron antibody [HL1867] (GTX637592) (1 µg/mL)

Please notice that GTX637592 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635807. Please contact us for custom HRP-conjugated antibody.



**GTX137878-pro ELISA Image**

Indirect ELISA analysis was performed by coating the plate with recombinant SARS-CoV-2 (COVID-19) Spike RBD Protein, Omicron / BF.7 variant, His tag (GTX137878-pro) (148.15-2.31 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (GTX635807) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect the bound primary antibody.



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