

SARS-CoV-2 (COVID-19) Spike RBD Protein, Omicron / BQ.1 variant, His tag

Cat. No. GTX137879-pro

Applications	Binding Assay, ELISA, Sandwich ELISA
Species	SARS Coronavirus 2

References (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

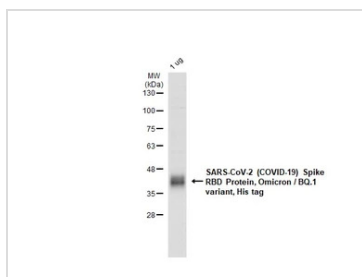
Form	Lyophilized powder
Buffer	Reconstitute with distilled water to 0.8 mg/ml. Lyophilized from PBS, 2% Trehalose, 5% Mannitol, 0.01% Tween-80.
Preservative	No preservatives
Storage	Store at 4°C or below. After reconstitution, keep as concentrated solution. Aliquot and store at -20°C or below. Avoid 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 RBD of QHD43416.1 (319-541 a.a.) with G339D, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, K444T, L452R, N460K, S477N, T478K, E484A, F486V, Q498R, N501Y, Y505H and a C-terminal His tag.
Expression System	HEK293 cells
Purity	>95%
Conjugation	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

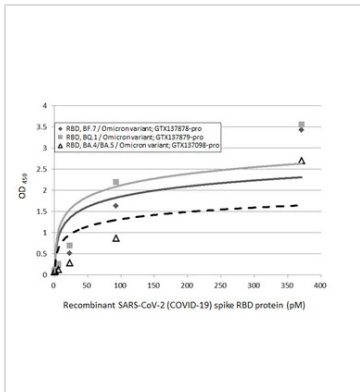


GTX137879-pro Image

GTX137879-pro SARS-CoV-2 (COVID-19) Spike RBD Protein, Omicron / BQ.1 variant, His tag was analyzed using SDS-PAGE and stained with coomassie blue and captured by monochrome camera.



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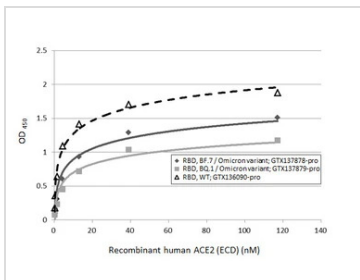
GTX137879-pro ELISA Image

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)

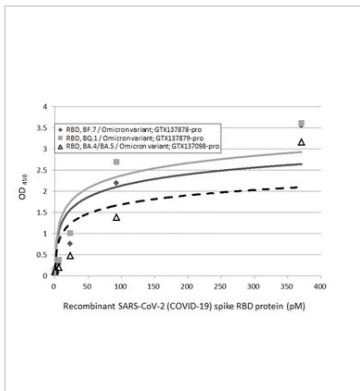
Detection: HRP-conjugated SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1866] (GTX637591) (1 µg/mL)

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.



GTX137879-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).



GTX137879-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.



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