

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

Cat. No. GTX137879-pro

Applications	Binding Assay, ELISA, Sandwich ELISA	References (2)
Species	SARS Coronavirus 2	Package 100 µg

Applications

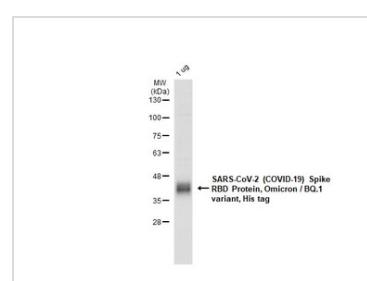
Application Note

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

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.

DATA IMAGES



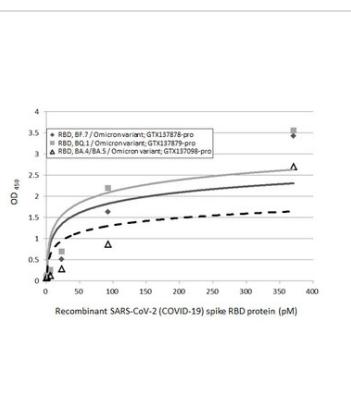
GTX137879-pro Image

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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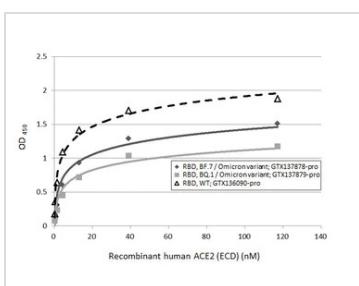
GTx137879-pro ELISA Image

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)

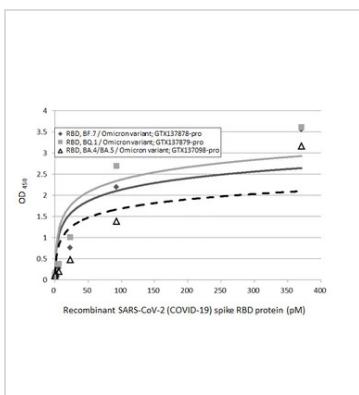
Detection: HRP-conjugated SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1866] (GTX637591) (1 µg/mL)

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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