

SARS-CoV-2 (COVID-19) Spike (ECD) Protein, Omicron / BA.2.75 variant, His tag

Cat. No. GTX137533-pro

Applications	WB, ELISA
Species	SARS Coronavirus 2

Package
100 µg

Properties

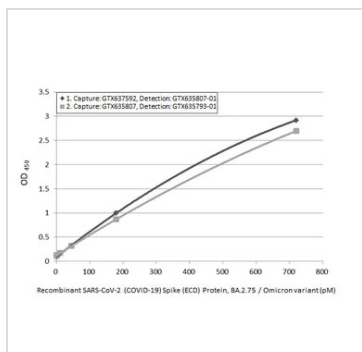
Form	Lyophilized powder
Buffer	Reconstitute with distilled water to 0.1 mg/ml. Lyophilized from PBS, 2% Trehalose, 5% Mannitol, 0.01% Tween-80.
Preservative	No preservatives
Storage	Store at 4°C or below. After reconstitution, keep as concentrated solution. Aliquot and store at -20°C or below. Avoid 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 of QHD43416.1 (1-1213 a.a, extracellular domain) with Omicron variant (BA.2.75) mutations(T19I, L24del, P25del, P26del, A27S, G142D, K147E, W152R, F157L, I210V, V213G, G257S, G339H, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, G446S, N460K, S477N, T478K, E484A, Q498R, N501Y, Y505H, D614G, H655Y, N679K, P681H, N764K, D796Y, Q954H, N969K), S1-S2 cleavage site mutations (682-685GSAS), 6 stabilizing (HexaPro) mutations (F817P, A892P, A899P, A942P, K986P, V987P) and C-terminal a T4 trimerization foldon as well as a 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



GTX137533-pro ELISA Image

Sandwich ELISA detection of SARS-CoV-2 (COVID-19) Spike (ECD) Protein, Omicron / BA.2.75 variant, His tag (GTX137533-pro) using ELISA pairs below.

Pair 1:

Capture: SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (GTX637592) (5 µg/mL)

Detection: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (HRP) (GTX635807-01) (1 µg/mL)

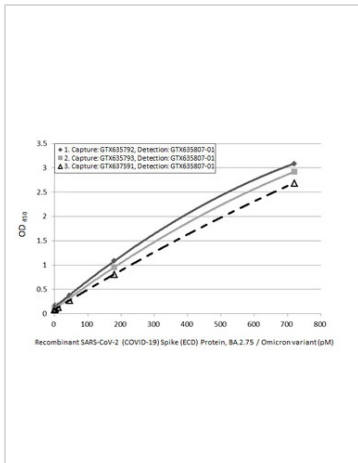
Pair 2:

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

Detection: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1004] (HRP) (GTX635793-01) (1 µg/mL)



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



GTX137533-pro ELISA Image

Sandwich ELISA detection of SARS-CoV-2 (COVID-19) Spike (ECD) Protein, Omicron / BA.2.75 variant, His tag (GTX137533-pro) using ELISA pairs below.

Pair 1:

Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1003] (GTX635792) (5 µg/mL)

Detection: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (HRP) (GTX635807-01) (1 µg/mL)

Pair 2:

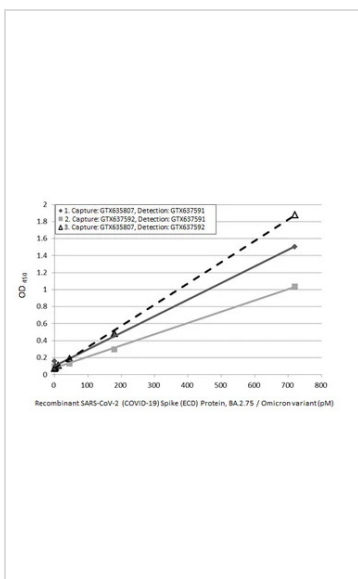
Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1004] (GTX635793) (5 µg/mL)

Detection: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (HRP) (GTX635807-01) (1 µg/mL)

Pair 3:

Capture: SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1866] (GTX637591) (5 µg/mL)

Detection: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (HRP) (GTX635807-01) (1 µg/mL)



GTX137533-pro ELISA Image

Sandwich ELISA detection of SARS-CoV-2 (COVID-19) Spike (ECD) Protein, Omicron / BA.2.75 variant, His tag (GTX137533-pro) using ELISA pairs below.

Pair 1:

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

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

Pair 2:

Capture: SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (GTX637592) (5 µg/mL)

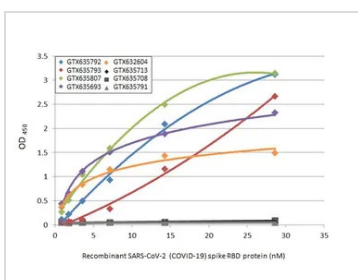
Detection: SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1866] (GTX637591) (1 µg/mL)

Pair 3:

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

Detection: SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (GTX637592) (1 µg/mL)

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



GTX137533-pro ELISA Image

Indirect ELISA analysis was performed by coating the plate with recombinant SARS-CoV-2 spike (ECD) trimer, omicron BA.2.75 variant, His tag (GTX137533-pro) (28.62-0.45 nM). Coated protein was probed with (the specified SARS-CoV-2 (COVID-19) Spike antibodies) (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](https://www.genetex.com).