

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

Cat. No. GTX136716-pro

Applications	WB, ELISA, Sandwich ELISA	References (4)
Species	SARS Coronavirus 2	Package 100 µg

Applications

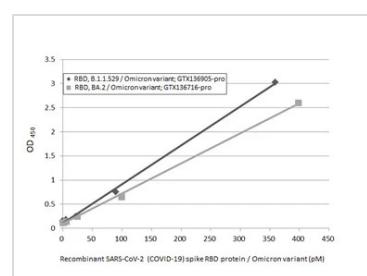
Application Note

Recommended antibody pairs for sandwich ELISA:
Capture : GTX635807, Detection : GTX635792-01.

Properties

Form	Liquid
Buffer	PBS, 2% Trehalose, 5% Mannitol, 0.01% Tween-80
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. 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.
Concentration	0.1 mg/ml (Please refer to the vial label for the specific concentration.)
Region/Sequence	SARS-CoV-2 Spike RBD of QHD43416.1 (319-541 a.a) with G339D, S371L, S373P, S375F, K417N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, N501Y and Y505H mutations, and His tag at the C-terminus
Expression System	HEK293 cells
Purity	>95%
Conjugation	Unconjugated
Note	For <i>In vitro</i> laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

DATA IMAGES



GTX136716-pro ELISA Image

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

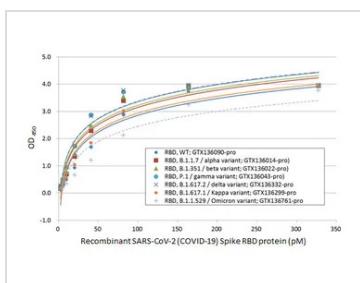
Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (GTX635807) (5 µg/mL)

Detection: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1003] (HRP) (GTX635792-01) (1 µg/mL)



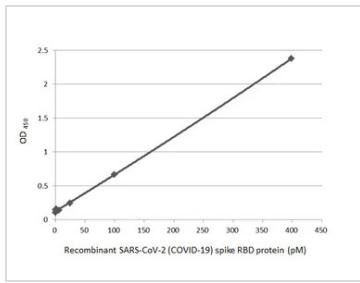
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GTx136716-pro ELISA Image

Sandwich ELISA detection of recombinant Spike RBD proteins derived from different strains of SARS-CoV-2 (i.e., wild type; B.1.1.7 alpha variant; B.1.351 beta variant; P.1 gamma variant; B1.617.2 delta variant, B.1.617.1 Kappa variant; B.1.1.529 Omicron variant) using SARS-CoV-2 (COVID-19) Spike RBD Protein Sandwich ELISA Kit (GTx536267).

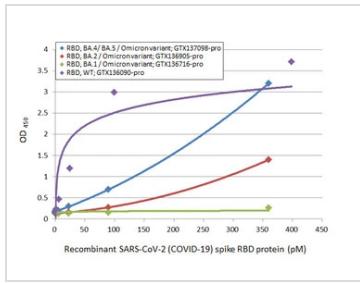


GTx136716-pro ELISA Image

Sandwich ELISA detection of recombinant SARS-CoV-2 (COVID-19) Spike RBD Protein, B.1.1.529 / Omicron variant, His tag (GTx136716-pro) 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)

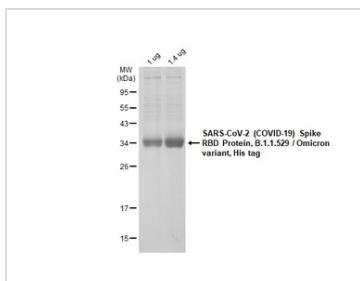


GTx136716-pro ELISA Image

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

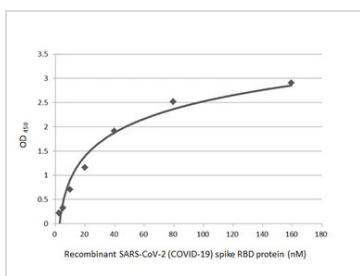
Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (GTx635807) (5 µg/mL)

Detection: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1004] (HRP) (GTx635793-01) (1 µg/mL)



GTx136716-pro Image

GTx136716-pro SARS-CoV-2 (COVID-19) Spike RBD 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.



GTx136716-pro ELISA Image

Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) Spike RBD Protein, B.1.1.529 / Omicron variant, His tag (GTx136716-pro) (159.36-2.49 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1003] (GTx635792) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTx213110-01) (1:10000) was used to detect bound primary antibody.



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