

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

Cat No. GTX136716-pro**Application** Binding Assay, ELISA, WB-Ag, Sandwich ELISA**Species** SARS Coronavirus 2**Package**

100 µg

APPLICATION

Application Note

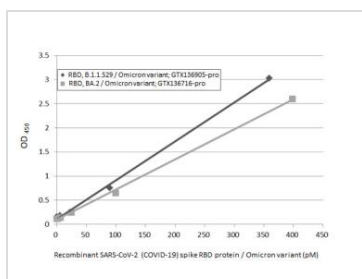
Recommended antibody pairs for sandwich ELISA:

Capture : GTX635807, Detection : GTX635792-01.

PROPERTIES

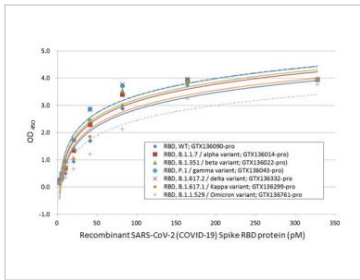
Form Liquid**Buffer** PBS**Preservative** No Preservative**Storage** Store as concentrated solution. Centrifuge briefly prior to opening vial. Aliquot and store at -20°C or below. Avoid freeze-thaw cycles.**Concentration** 0.3 mg/ml (Please refer to the vial label for the specific concentration.)**Region/Sequence** 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 *In vitro* 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**

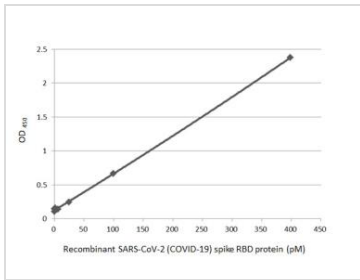
Sandwich ELISA detection of recombinant Spike RBD Protein(s) derived from different strains of SARS-CoV-2 virus (ie., B.1.1.529 Omicron variant; BA.2 Omicron variant) using antibodies as below.

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



GTX136716-pro ELISA Image

Sandwich ELISA detection of recombinant Spike RBD proteins derived from different strains of SARS-CoV-2 (ie., 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).

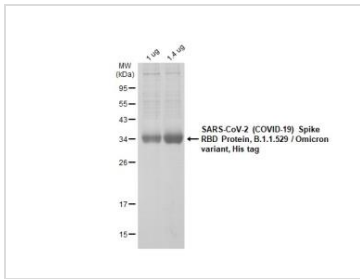


GTX136716-pro ELISA Image

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.

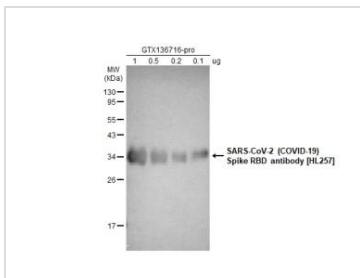
Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (GTX635807) (5 µg/mL)

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



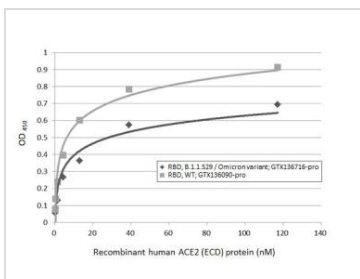
GTX136716-pro Image

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 WB-Ag Image

SARS-CoV-2 (COVID-19) Spike RBD Protein, B.1.1.529 / Omicron variant, His tag protein (GTX136716-pro) were separated by 12% SDS-PAGE, and the membrane was blotted with the SARS-CoV-2 (COVID-19) Spike RBD antibody [HL257] (GTX635692) diluted at 1:5000.



GTX136716-pro Image

Functional ELISA analysis of immobilized recombinant Spike RBD Protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; B.1.1.529 Omicron variant) (coated at 2 µg/mL) binding to soluble recombinant Human ACE2 (ECD) protein, mouse IgG Fc tag (active) (GTX135683-pro) (0.16-117.19 nM). Bound protein was detected by Goat Anti-Mouse IgG antibody (HRP) (GTX213111-01) (1:10000).



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