

SARS-CoV-2 (COVID-19) Spike RBD Protein, P.1 / Gamma variant, His tag (active)

Cat. No. GTX136043-pro

Applications Binding Assay, WB, ELISA

Species SARS Coronavirus 2

Package

100 µg

Applications

Application Note

Capture : GTX635807, Detection : GTX635791-01

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 K417T, E484K, and N501Y mutations and His tag at the C-terminus

Expression System HEK293 cells

Purity >95%

Conjugation Unconjugated

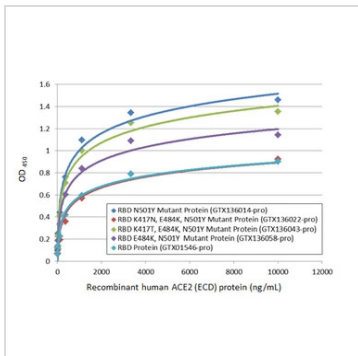
Note

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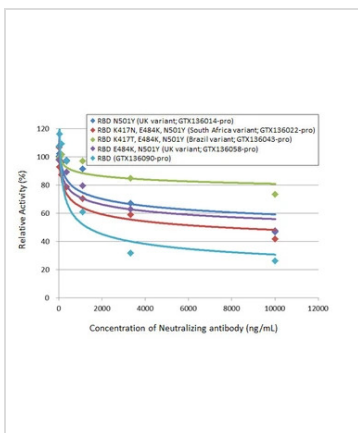
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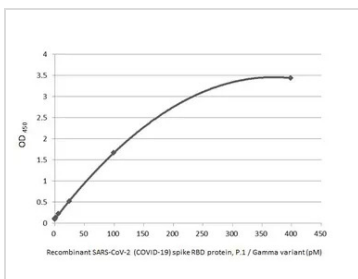
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DATA IMAGES

GTx136043-pro Binding Assay Image

Functional ELISA analysis of immobilized recombinant SARS-CoV-2 (COVID-19) Spike RBD (N501Y Mutant) protein, His tag (active) (GTx136014-pro), SARS-CoV-2 (COVID-19) Spike RBD (K417N, E484K, N501Y Mutant) protein, His tag (active) (GTx136022-pro), SARS-CoV-2 (COVID-19) Spike RBD (K417T, E484K, N501Y Mutant) protein, His tag (active) (GTx136043-pro), SARS-CoV-2 (COVID-19) Spike RBD (E484K, N501Y Mutant) protein, His tag (active) (GTx136058-pro) and SARS-CoV-2 (COVID-19) Spike RBD protein, His tag (active) (GTx01546-pro) (coated at 2 µg/mL) binding to soluble recombinant Human ACE2 (ECD) protein, mouse IgG Fc tag (active) (GTx135683-pro) (13-10000 ng/mL). Bound protein was detected by Goat Anti-Mouse IgG antibody (HRP) (GTx213111-01) (1:10000).


GTx136043-pro Binding Assay Image

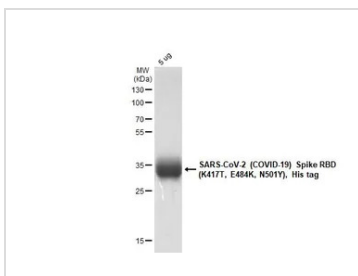
Inhibition analysis of immobilized recombinant SARS-CoV-2 (COVID-19) Spike RBD (N501Y Mutant) protein, His tag (active) (UK variant) (GTx136014-pro), SARS-CoV-2 (COVID-19) Spike RBD (K417N, E484K, N501Y Mutant) protein, His tag (active) (South Africa variant) (GTx136022-pro), SARS-CoV-2 (COVID-19) Spike RBD (K417T, E484K, N501Y Mutant) protein, His tag (active) (Brazil variant) (GTx136043-pro), SARS-CoV-2 (COVID-19) Spike RBD (E484K, N501Y Mutant) protein, His tag (active) (UK variant) (GTx136058-pro) and SARS-CoV-2 (COVID-19) Spike RBD protein, His tag (active) (GTx136090-pro) (coated at 2 µg/mL) binding to soluble recombinant Human ACE2 (ECD) protein, mouse IgG Fc tag (active) (GTx135683-pro) (1000 ng/mL). ACE2 binding was inhibited by increasing concentrations of SARS-CoV-2 (COVID-19) Spike RBD antibody (GTx135709) (13.72-10000 ng/mL). Bound ACE2 was detected by Goat Anti-Mouse IgG antibody (HRP) (GTx213111-01) (1:10000).


GTx136043-pro ELISA Image

Sandwich ELISA detection of recombinant SARS-CoV-2 (COVID-19) Spike RBD Protein, P.1 / Gamma variant, His tag (active) (GTx136043-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 [HL1002] (HRP) (GTx635791-01) (1 µg/mL)


GTx136043-pro Image

5 µg of GTx136043-pro SARS-CoV-2 (COVID-19) Spike RBD (K417T, E484K, N501Y), His tag protein was analyzed using SDS-PAGE and stained with coomassie blue and captured by monochrome camera.



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