

# SARS-CoV-2 (COVID-19) Spike RBD Protein, B.1.351 / Beta variant, His tag (active)

**Cat. No. GTX136022-pro**

**Applications** Binding Assay, WB, ELISA, Sandwich ELISA

**Species** SARS Coronavirus 2

**References** ( 1 )

**Package**

100 µg

## Applications

### Application Note

Recommended antibody pair for sandwich ELISA:

Capture: GTX635807, Detection: GTX635792-01 / GTX635793-01

## 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 multiple freeze-thaw cycles. For long-term storage after reconstitution, aliquot and store at -70°C or below. Do not vortex.

**Concentration** 0.4 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 K417N, E484K, and N501Y mutations and His tag at the C-terminus

**Expression System** HEK293 cells

**Purity** >95%

**Conjugation** Unconjugated

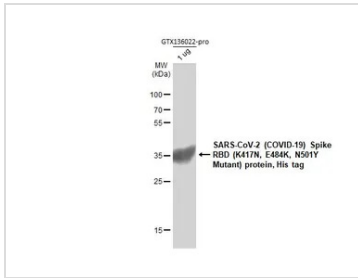
### Note

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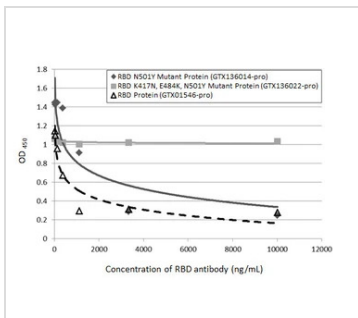
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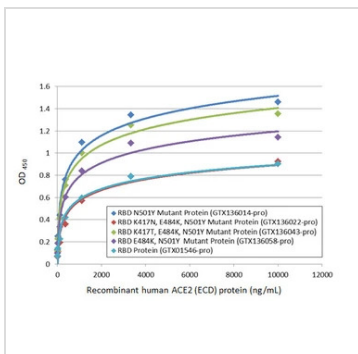
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**DATA IMAGES**

**GTX136022-pro WB Image**

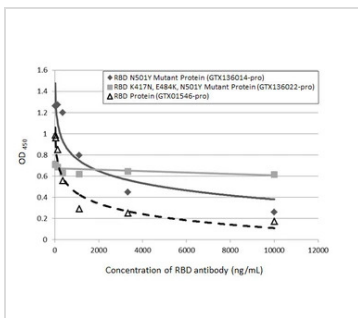
SARS-CoV-2 (COVID-19) Spike RBD (K417N, E484K, N501Y Mutant) protein, His tag (GTX136022-pro, 1 µg) was separated by 12% SDS-PAGE, and the membrane was blotted with the SARS-CoV-2 (COVID-19) Spike RBD antibody [HL257] (GTX635692) diluted at 1:5000.


**GTX136022-pro Binding Assay Image**

Inhibition 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), 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 (GTX135683-pro) (1000 ng/mL). ACE2 binding was inhibited by increasing concentrations of SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1003] (GTX635792) (14-10000 ng/mL). Bound ACE2 protein was detected by Goat Anti-Mouse IgG antibody (HRP) (GTX213111-01) (1:10000).


**GTX136022-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).


**GTX136022-pro Binding Assay Image**

Inhibition 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), 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 (GTX135683-pro) (1000 ng/mL). ACE2 binding was inhibited by increasing concentrations of SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1004] (GTX635793) (14-10000 ng/mL). Bound ACE2 protein was detected by Goat Anti-Mouse IgG antibody (HRP) (13111-01) (1:10000).



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