

## SARS-CoV-2 (COVID-19) Spike RBD Protein, B.1.1.7 with E484K, His tag (active)

**Cat. No. GTX136058-pro**

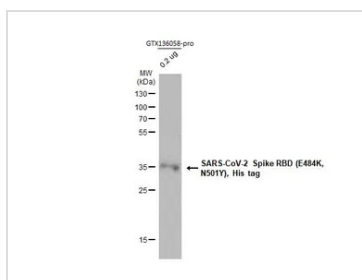
|                     |                    |
|---------------------|--------------------|
| <b>Applications</b> | Binding Assay, WB  |
| <b>Species</b>      | SARS Coronavirus 2 |

**Package**  
100 µg

## Properties

|                          |                                                                                                                                                                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Form</b>              | Liquid                                                                                                                                                                                                                                            |
| <b>Buffer</b>            | PBS                                                                                                                                                                                                                                               |
| <b>Preservative</b>      | No preservative                                                                                                                                                                                                                                   |
| <b>Storage</b>           | 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. |
| <b>Concentration</b>     | 1 mg/ml (Please refer to the vial label for the specific concentration.)                                                                                                                                                                          |
| <b>Region/Sequence</b>   | SARS-CoV-2 Spike RBD of QHD43416.1 (319-541 a.a) with E484K and N501Y mutations and His tag at the C-terminus                                                                                                                                     |
| <b>Expression System</b> | HEK293 cells                                                                                                                                                                                                                                      |
| <b>Purity</b>            | >95%                                                                                                                                                                                                                                              |
| <b>Conjugation</b>       | Unconjugated                                                                                                                                                                                                                                      |
| <b>Note</b>              | 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.                                                                                          |

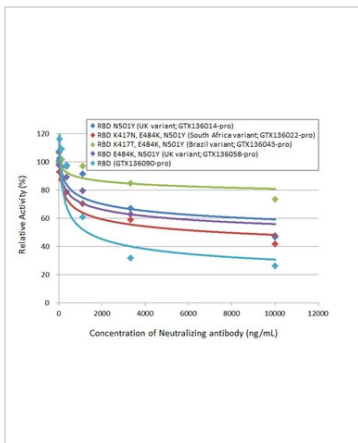
## DATA IMAGES

**GTX136058-pro WB Image**

SARS-CoV-2 Spike RBD (E484K, N501Y), His tag protein (GTX136058-pro, 0.2 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.

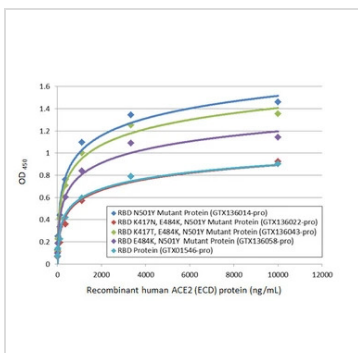


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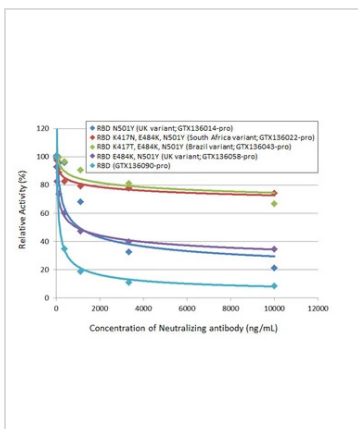
### GTX136058-pro Binding Assay Image

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).



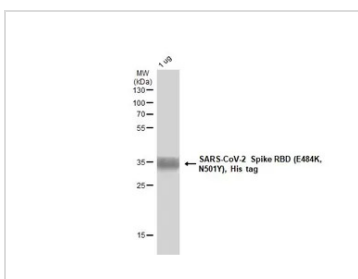
### GTX136058-pro Binding Assay Image

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).



### GTX136058-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 [HL1004] (GTX635793) (14-10000 ng/mL). Bound ACE2 was detected by Goat Anti-Mouse IgG antibody (HRP) (GTX213111-01) (1:10000).



### GTX136058-pro Image

1 µg of GTX136058-pro SARS-CoV-2 Spike RBD (E484K, N501Y), His tag protein was analyzed using SDS-PAGE and stained with coomassie blue and captured by monochrome camera.



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