

SARS-CoV-2 (COVID-19) Spike RBD Protein, AY.1 / Delta plus variant, His tag (active)

Cat No. GTX136333-pro

Application	Functional Assay
Species	SARS Coronavirus 2

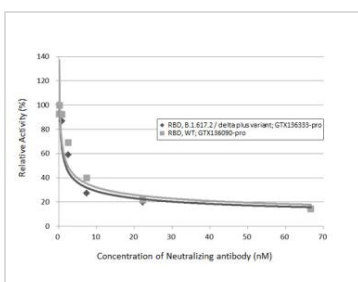
Package

100 µg

PROPERTIES

Form	Lyophilized powder
Buffer	Reconstitute with distilled water. Lyophilized from PBS buffer.
Preservative	No Preservative
Storage	Store at 4°C or below. After reconstitution, keep as concentrated solution and aliquot and store at -20°C or below. Avoid freeze-thaw cycles.
Region/Sequence	SARS-CoV-2 Spike RBD of QHD43416.1 (319-541 a.a) with K417N, L452R, and T478K mutations, and His tag at the C-terminus
Expression System	HEK293 cells
Purity	>95%
Conjugation	Unconjugated
Note	For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

DATA IMAGES

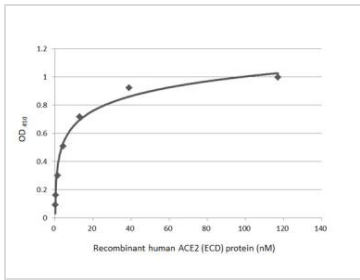


GTX136333-pro Functional Assay Image

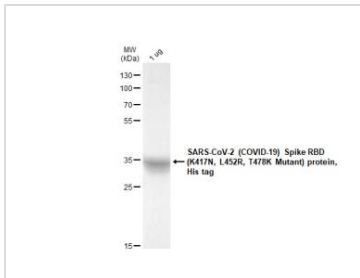
Inhibition analysis of immobilized recombinant SARS-CoV-2 (COVID-19) Spike RBD Protein, AY.1 / Delta plus variant, His tag (delta plus variant) (GTX136333-pro) and SARS-CoV-2 (COVID-19) Spike RBD protein, His tag (active) (wild type) (GTX136090-pro) (coated at 2 µg/mL) binding to soluble recombinant 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 [HL1002] (GTX635791) (0.09-66.67 nM). Bound ACE2 was detected by Goat Anti-Mouse IgG antibody (HRP) (GTX213111-01) (1:10000).



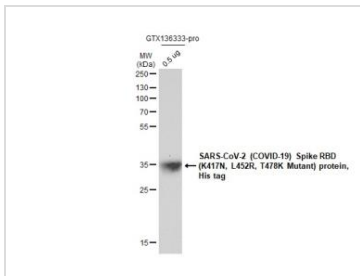
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GTX136333-pro Functional Assay Image

Functional ELISA analysis of immobilized recombinant SARS-CoV-2 (COVID-19) Spike RBD Protein, AY.1 / Delta plus variant, His tag (GTX136333-pro) (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).


GTX136333-pro Image

1 µg of GTX136333-pro SARS-CoV-2 (COVID-19) Spike RBD (K417N, L452R, T478K Mutant) protein, His tag protein was analyzed using SDS-PAGE and stained with coomassie blue and captured by monochrome camera.


GTX136333-pro Image

SARS-CoV-2 (COVID-19) Spike RBD (K417N, L452R, T478K Mutant) protein, His tag protein (GTX136333-pro, 0.5 µg) was separated by 12% SDS-PAGE, and the membrane was blotted with SARS-CoV-2 (COVID-19) Spike RBD antibody [HL257] (GTX635692) diluted at 1:5000.



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