

SARS-CoV-2 (COVID-19) Spike RBD protein, His tag (active)

Cat No. GTX136090-pro

Application	ELISA, Sandwich ELISA
Species	SARS Coronavirus 2

Package
100 µg

APPLICATION

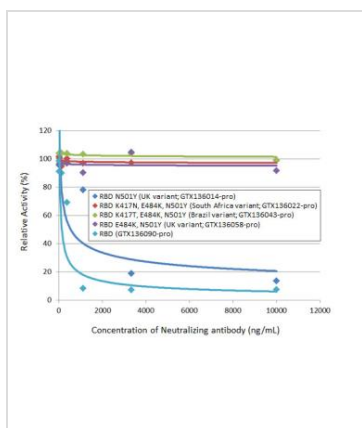
Application Note

Recommended antibody pairs for sandwich ELISA:
Capture: GTX635807, Detection: GTX635791-01.

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) 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

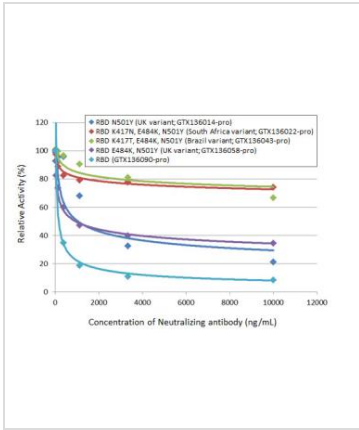


GTX136090-pro Image

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 [HL1003] (GTX635792) (14-10000 ng/mL). Bound ACE2 was detected by Goat Anti-Mouse IgG antibody (HRP) (GTX213111-01) (1:10000).

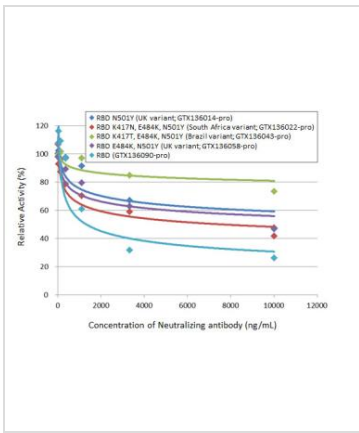


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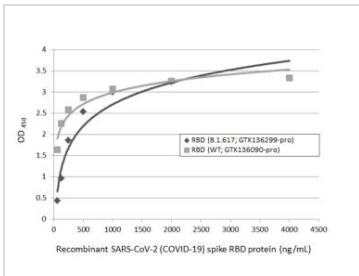
GTX136090-pro Image

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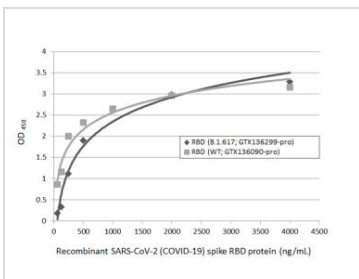
GTX136090-pro Image

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GTX136090-pro ELISA Image

Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) Spike RBD (L452R, E484Q Mutant) protein, His tag (active) (Indian variant) (GTX136299-pro) and SARS-CoV-2 (COVID-19) Spike RBD protein, His tag (active) (Wild type) (GTX136090-pro) (4000-62.5 ng/mL). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1004] (GTX635793) (1 µg/mL). Rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect bound primary antibody.



GTX136090-pro ELISA Image

Indirect ELISA analysis performed by coating plate with recombinant SARS-CoV-2 (COVID-19) Spike RBD (L452R, E484Q Mutant) protein, His tag (active) (Indian variant) (GTX136299-pro) and SARS-CoV-2 (COVID-19) Spike RBD protein, His tag (active) (Wild type) (GTX136090-pro) (4000-62.5 ng/mL). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1002] (GTX635791) (1 µg/mL). Rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect bound primary antibody.



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