

SARS-CoV-2 (COVID-19) Spike S2 (ECD) Protein, B.1.1.7 / Alpha variant, His tag

Cat. No. GTX136023-pro

Applications WB, ELISA, Sandwich ELISA**Species** SARS Coronavirus 2**Package**

100 µg

Applications

Application Note

Recommended antibody pair for sandwich ELISA:

Capture: GTX632604, Detection: GTX635911 / GTX635910 / GTX635693

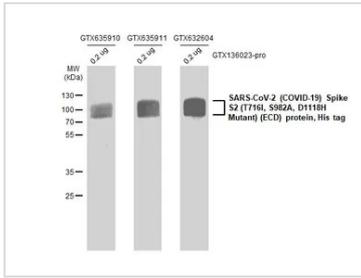
Properties

Form Liquid**Buffer** PBS**Preservative** No preservatives**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** 0.2 mg/ml (Please refer to the vial label for the specific concentration.)**Region/Sequence** SARS-CoV-2 Spike of QHD43416.1 (686-1,213 a.a) with T716I, S982A and D1118H mutations, 6 stabilizing mutations (HexaPro mutations, including F817P, A892P, A899P, A942P, K986P, and V987P), and His tag at the C-terminus**Expression System** HEK293 cells**Purity** >95%**Conjugation** Unconjugated**Note** For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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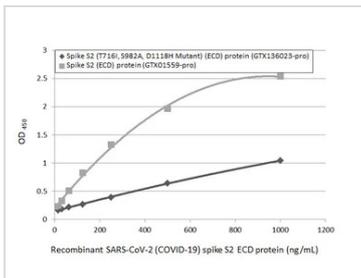
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DATA IMAGES



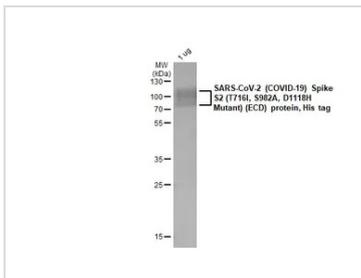
GTX136023-pro WB Image

SARS-CoV-2 (COVID-19) Spike S2 (T716L, S982A, D1118H Mutant) (ECD) protein, His tag (GTX136023-pro, 0.2 µg) was separated by 12% SDS-PAGE, and the membrane were blotted with SARS-CoV-2 (COVID-19) Spike S2 antibody [HL1038] (GTX635910, left) diluted at 1:20000, SARS-CoV-2 (COVID-19) Spike S2 antibody [HL1039] (GTX635911, middle) diluted at 1:20000, and SARS-CoV / SARS-CoV-2 (COVID-19) spike antibody [1A9] (GTX632604, right) diluted at 1:5000.



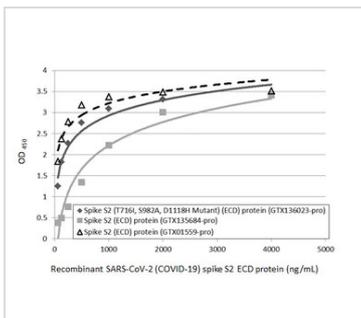
GTX136023-pro ELISA Image

Sandwich ELISA detection of recombinant SARS-CoV-2 (COVID-19) Spike S2 (T716L, S982A, D1118H Mutant) (ECD) protein, His tag (GTX136023-pro) and SARS-CoV-2 (COVID-19) Spike S2 (ECD) protein, human IgG Fc tag (GTX01559-pro) using SARS-CoV / SARS-CoV-2 (COVID-19) spike antibody [1A9] (GTX632604) as capture antibody at concentration of 5 µg/mL and SARS-CoV-2 (COVID-19) Spike S2 antibody [HL1039] (GTX635911) as detection antibody at concentration of 1 µg/mL. Rabbit IgG antibody (HRP) (GTX213110-01) was diluted at 1:10000 and used to detect the primary antibody.



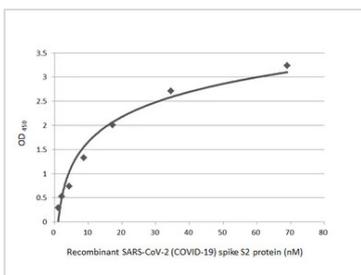
GTX136023-pro Image

1µg of GTX136023-pro SARS-CoV-2 (COVID-19) Spike S2 (T716L, S982A, D1118H Mutant) (ECD) protein, His tag was analyzed using SDS-PAGE and stained with coomassie blue and captured by monochrome camera.



GTX136023-pro ELISA Image

Sandwich ELISA detection of recombinant SARS-CoV-2 (COVID-19) Spike S2 (T716L, S982A, D1118H Mutant) (ECD) protein, His tag (GTX136023-pro), SARS-CoV-2 (COVID-19) Spike S2 (ECD) protein, mouse IgG Fc tag (GTX135684-pro), and SARS-CoV-2 (COVID-19) Spike S2 (ECD) protein, human IgG Fc tag (GTX01559-pro) using SARS-CoV / SARS-CoV-2 (COVID-19) spike antibody [1A9] (GTX632604) as capture antibody at concentration of 5 µg/mL and SARS-CoV-2 (COVID-19) Spike S2 antibody [HL1038] (GTX635910) as detection antibody at concentration of 1 µg/mL. Rabbit IgG antibody (HRP) (GTX213110-01) was diluted at 1:10000 and used to detect the primary antibody.



GTX136023-pro ELISA Image

Sandwich ELISA detection of recombinant SARS-CoV-2 (COVID-19) Spike S2 Protein, B.1.1.7 / Alpha variant, His tag (GTX136023-pro) using antibodies as below.

Capture: SARS-CoV / SARS-CoV-2 (COVID-19) spike antibody [1A9] (GTX632604) (5 µg/mL)

Detection: SARS-CoV-2 (COVID-19) Spike S2 / S2' antibody [HL1039] (GTX635911) (1 µg/mL)



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