

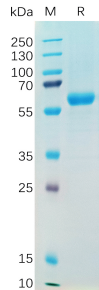
Recombinant SARS-CoV-2 Spike Glycoprotein RBD (Alpha B.1.1.7 Variant) (Fc Tag) (A318195)

Specifications:

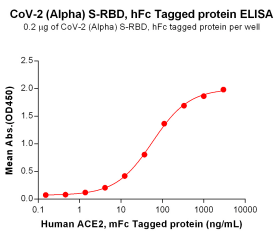
Name:	Recombinant SARS-CoV-2 Spike Glycoprotein RBD (Alpha B.1.1.7 Variant) (Fc Tag)
Description:	Consists of amino acids Arg319-Phe541 of SARS-CoV-2 Spike Glycoprotein RBD (Alpha B.1.1.7 Variant) containing the following mutation: N501Y. The human Fc tag consists of amino acids Glu99-Ala330.
Applications:	ELISA, SDS-PAGE
Expression System:	HEK293 cells
Nature:	Recombinant
Protein Species:	SARS-CoV-2
Protein Length:	Protein fragment.
Sequence:	SproteinRBD(N501Y)(Arg319-Phe541)+hFc(Glu99-Ala330)
Tag:	C-terminal Human Fc Tag
Molecular Weight:	The protein has a predicted molecular mass of 51.3 kDa after removal of the signal peptide. The apparent molecular mass of RBD(N501Y)-hFc is approximately 55-70 kDa due to glycosylation.
Conjugate:	Unconjugated
Purity:	> 90%, by SDS-PAGE and Coomassie blue staining.
Product Form:	Lyophilized
Concentration:	Reconstitution dependent.
Formulation:	Lyophilized from sterile Phosphate Buffered Saline, pH 7.4. Normally 5%-8% Trehalose is added as a protectant before lyophilization.
Storage:	Shipped at 4°C. Lyophilized: Store at -20°C to -80°C. Reconstituted: Aliquot and store at -80°C. Product is stable for one year. Avoid freeze/thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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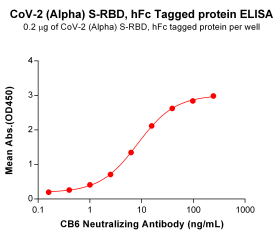
Images:



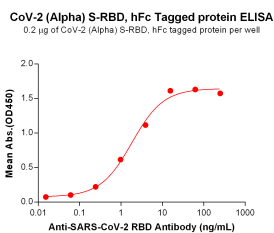
SDS-PAGE of Recombinant SARS-CoV-2 Spike Glycoprotein RBD (Alpha B.1.1.7 Variant) (Fc Tag) (A318195) under reducing conditions.



ELISA plates were pre-coated with Recombinant SARS-CoV-2 Spike Glycoprotein RBD (Alpha B.1.1.7 Variant) (Fc Tag) (A318195) at 2 µg/ml (100 µl/well) which can bind Recombinant Human ACE2 Protein (Fc Tag) (A318341) in a linear range of 4.115-1000 ng/ml.



ELISA plates were pre-coated with Recombinant SARS-CoV-2 Spike Glycoprotein RBD (Alpha B.1.1.7 Variant) (Fc Tag) (A318195) at 2 µg/ml (100 µl/well) which can bind CB6 Biosimilar - Anti-SARS-CoV-2 Spike Glycoprotein Antibody - BSA and Azide free (A318945) in a linear range of 1.00-97.66 ng/ml.



ELISA plates were pre-coated with Recombinant SARS-CoV-2 Spike Glycoprotein RBD (Alpha B.1.1.7 Variant) (Fc Tag) (A318195) at 2 µg/ml (100 µl/well) which can bind Anti-SARS-CoV-2 Spike Glycoprotein RBD Antibody [DM55] - BSA and Azide free (A317410) in a linear range of 0.244-15.625 ng/ml.