9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-17099: Recombinant SARS-CoV-2 (2019-nCoV) S1 protein NTD with C-terminal mouse Fc tag

Alternative Name : S1 protein NTD,Spike protein S1 NTD,BetaCoV S1-NTD,COVID-19

Description

Expression Host : HEK293
The protein has a predicted molecular mass of 59.1 kDa after removal of the signal peptide.The apparent molecular mass of S1-NTD-mFc is approximately 70-100 kDa due to glycosylation.
SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as Covid19 (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. The spike protein is a type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which accounts for recognizing the cell surface receptor, ACE2. S2 contains basic elements needed for the membrane fusion. Recent publications indicate that S1-RBD domain can induce virus neutralizing-antibody and T cell response.

Product Info

Amount :	50 µg
Purification :	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage condition :	Store at -80°C for 12 months (Avoid repeated freezing and thawing)

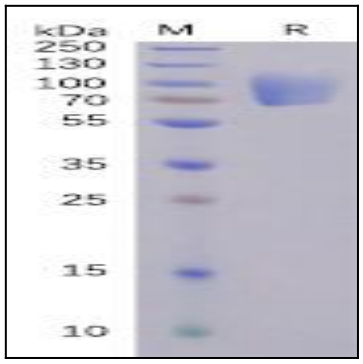


Figure 1. SARS-CoV-2 (2019-nCoV) S1 protein NTD, mFc Tag on SDS-PAGE under reducing condition.

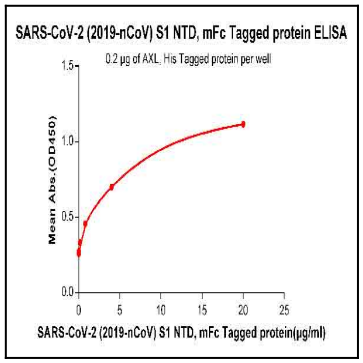


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human AXL, His tagged protein can bind Human NTD, mFc Tagged protein in a linear range of 0.006-0.16 µg/ml.

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