

## **PRODUCT INFORMATION**

**Target** S1 protein NTD

S1 protein NTD; Spike protein S1 NTD; BetaCoV S1-**Synonyms** 

NTD;COVID-19

Recombinant SARS-CoV-2 (2019-nCoV) S1 protein **Description** 

NTD with C-terminal human Fc tag

Delivery In Stock P0DTC2 **Uniprot ID Expression Host HEK293** 

C-Human Fc Tag Tag

Molecular

S1 protein NTD(Ser13-Leu303) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of 59.0 kDa after removal of the signal peptide. The apparent molecular mass of S1-NTD-hFc is **Molecular Weight** 

approximately 70-100 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

**Purity** 

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before Formulation & lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

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, **Background** 

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.

Usage Research use only

Conjugate Unconjugated

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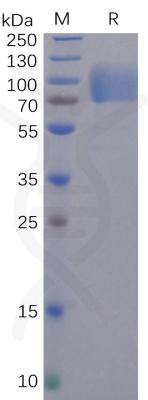


Figure 1. SARS-CoV-2 (2019-nCoV) S1 protein NTD, hFc Tag on SDS-PAGE under reducing condition.

## Human AXL, His Tagged protein ELISA

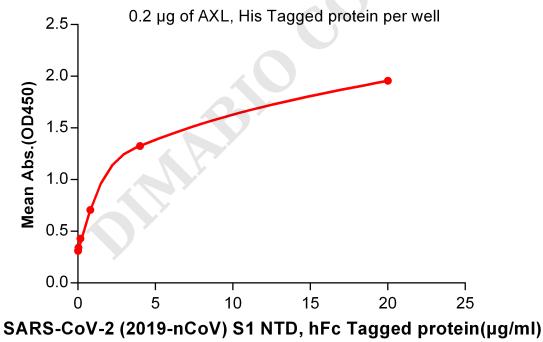


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human AXL, His tagged protein PME100070 can bind SARS-CoV-2 (2019-nCoV) S1 protein NTD, hFc Tagged protein PME100493 in a linear range of 0.0012-0.16  $\mu$ g/ml.

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