

32-18001: SARS-CoV-2 Spike protein (RBD, C- Term His Tag) (Sf9 cell line)

Application : Functional Assay, ELISA, WB

Format : Purified

Description

Source: Sf9 insect cells. SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as 2019-nCoV (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. SARS-CoV-2 Spike Protein is composed of S1 domain and S2 domain. S1 contains a receptor-binding domain (RBD) that can specifically bind to angiotensin-converting enzyme 2 (ACE2), the receptor on target cells. It is believed that SARS-CoV-2 Spike Protein (RBD) has potential value for the diagnosis of the virus. Predicted molecular weight 25 kDa.

Product Info

Amount : 500 μ g / 1 mg

Purification : > 90% as analyzed by SDS-PAGE

Content : PBS, pH 7.2

Storage condition : The product can be stored at -20°C or below. Avoid repeated freezing and thawing cycles. The shelf life of the product is unspecified.

Application Note

ELISA, WB: 2 μ g. SARS-CoV-2 Spike protein (RBD, His Tag) can bind with Human ACE2 in functional ELISA assay.

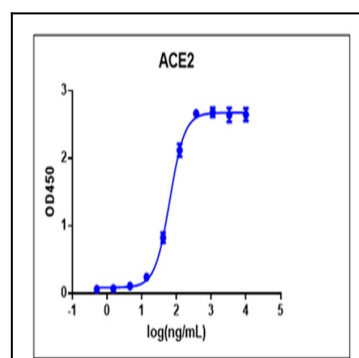


Figure-1: SARS-CoV-2 Spike protein (RBD, His Tag) can bind with Human ACE2 in functional ELISA assay.

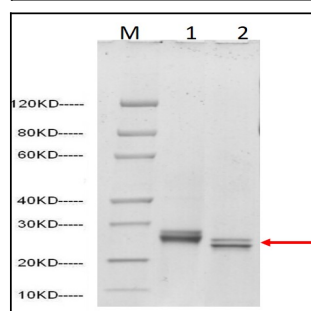


Figure-2: Lane-1: 2 μ g of S-RBD protein, reducing (R) and Lane-2: 2 μ g of S-RBD protein, non-reducing (N). > 90% as analyzed by SDS-PAGE.