

32-18023: SARS-CoV-2 Spike protein (S1) Tag-free

Application : Functional Assay,ELISA

Uniprot ID : QHD43416.1

Format : Purified

Description

Source: Human 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. S protein plays an important role in the induction of neutralizing-antibodies and T-cell responses, as well as protective immunity. Predicted molecular weight 78.3 kDa.

Product Info

Amount : 100 µg / 1 mg

Purification : > 85% as analyzed by SDS-PAGE

Content : PBS, pH 7.4

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.

Amino Acid : QCVNLTTRTQLPPAYTNSFTRGVYYPDKVFRSSVLHSTQDLFLPFFSNVTWFHAIHVSGTNGTKRFDNPVLPFN DGVYFASTEKSNIRGWIFGTTLDLSTQSLNATNVVIVKVECFQCNDFLGVYHKNKSWMESEFRVYSS ANNCTFEYVSQPFLMDLEGKQGNFKNLREFVFNIDGYFKIYKHTPINLVRDLPGFSALEPLVDLPIGINITRFQ TLLALHRSYLTPGDSSSGWTAGAAAYVGYLQPRFTLLKYNENGTITDAVDCALDPLSETKCTLKSFTVEKGIYQ TSNFRVQPTESIVRFPNITLCPFGVEFNATRFASVYAWNRKRISNCVADYSVLVNSASFSTFKCYGVSPKLNDC LCFNRYADSFVIRGDEVRQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVGNGYNYLYRFRKSNLKP FERDISTEIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVLSFELLHAPATVCGPKKSTNLVKNK CVNFNENGLTGTGVLTESNKKFLPFQFGRDIADTTDAVRDPQTLEILDITPCSFGGVSVITPGTNTSNQVAVLY QDVNCTEVPVAIHADQLTPTWRVYSTGSNVFQTRAGCLIGAEHVNSYECDIPIGAGICASYQTQNTSPRRAR

Application Note

ELISA, SARS-CoV-2 Spike protein (S1) can bind with Human ACE2 in functional ELISA assay.

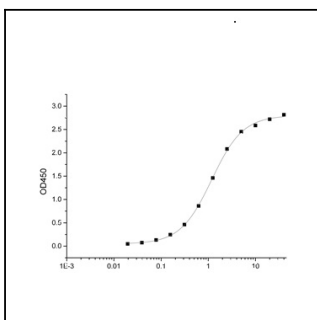


Figure-1: SARS-CoV-2 Spike protein (S1) can bind with Human ACE2 in functional ELISA assay.