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32-13552: SARS Spike (306-515)

Application : Functional Assay

Alternative Name : Spike glycoprotein, S glycoprotein, Peplomer protein, E2 glycoprotein precursor, Severe acute repiratory Syndrome-related Coronavirus, SARS, SRAS-CoV, SARS-CoV1, E2.

Description

Source: HEK293 Cells.
Sterile Filtered colorless solution.
SARS Coronavirus is an enveloped virus containing 3 outer structural proteins, namely the membrane (M), envelope (E), and spike (S) proteins. Spike (S)-glycoprotein of the virus interacts with a cellular receptor and mediates membrane fusion to allow viral entry into susceptible target cells. Accordingly, S-protein takes part in virus infection cycle and is the primary target of neutralizing antibodies.
The recombinant SARS Spike containing a total of 220 amino acids (306-515) and having a calculated Mw of 24.8 kDa.SARS Spike is fused to a 6 amino acid His-tag at C-terminus,and is purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

Content : The SARS Spike (306-515) solution (0.5mg/ml) contains Phosphate-Buffered Saline (pH 7.4) and 10% Glycerol.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : DGSMRVVPSG DVVRFPNITN LCPFGEVFNA TKFPSVYAWE RKKISNCVAD YSVLYNSTFF STFKCYGVSA TKLNDLCFSN VYADSFVVKG DDVRQIAPGQ TGVIADYNYK LPDDFMGCVL AWNTRNIDAT STGNYNYKYR YLRHGKLRPF ERDISNVPFS PDGKPCTPPA LNCYWPLNDY GFYTTTGIGY QPYRVVVLSF ELLNAPATVC GPKLHHHHHH

Application Note

Measured by its binding ability in a functional ELISA with Human ACE-2 .

For Research Use Only. Not for use in diagnostic/therapeutics procedures.