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SARS Spike (N-term) - Purified

Catalog No.: AR10691PU-N

Quantity: 0.5 mg

Concentration: 1.0 mg/ml

Background: SARS Coronavirus is an enveloped virus containing three 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 plays an important role in virus infection cycle and is the primary target of neutralizing antibodies.

Source: E. coli

Format: **Purity:** >95.0% pure as determined by 10.0% PAGE (coomassie staining).
Purification Method: Sepharose-Derived Purification.
Buffer System: 25mM Tris-HCl, 0.4% Sarcosyl, 0,25% Triton-100, 50% Glycerol

Applications: Antigen in ELISA and Western blots, excellent antigen for detection of SARS with minimal specificity problems.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description: The *E.Coli* derived 38 kDa mosaic protein contains the N-terminal section of the Spike protein 12-53, 90-115, 171-203 amino acids immunodominant regions.
Specificity: Immunoreactive with sera of SARS-infected individuals.

Storage: Protein is shipped at ambient temperature. Upon arrival, store at -20°C.
Five year frozen, 6 month at +4°C