



Product Data Sheet

Cat # RP-1418

SARS-Associated Coronavirus Envelope Recombinant

Size: 100ug

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. Immunoreactive with sera of SARS-infected individuals.

Usage:

This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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Source: The E.coli derived 43 kDa recombinant protein contains the N-terminus Envelope protein 1-76 amino acids immunodominant regions. Purified by proprietary chromatographic technique. 50mM Tris-HCl, 60mM NaCl, and 50% glycerol.

Applications and Suggested Dilutions: Protein is >95% pure as determined by 10% PAGE (Coomassie staining). Antigen in ELISA and Western blots, excellent antigen for detection of SARS with minimal specificity problems. Users must optimize the appropriate concentration and conditions for each assay.

Storage and Stability: Protein is shipped at ambient temperature. Upon arrival, store at -20°C. Five year frozen, 6 month at +4°C. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage.