Recombinant Severe Acute Respiratory Syndrome Associated Spike Mosaic S(N)

DAG1345   SARS Coronavirus
Lot. No. (See product label)

PRODUCT INFORMATION

Product overview  Recombinant SARS-CoV Spike protein containing 12-53, 90-115, 171-203 amino acids immunodominant regions was expressed in E. coli and purified by proprietary chromatographic technique.

Antigen Description  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
Species  SARS Coronavirus
Tag  N/A
Conjugate  N/A
Purity  >95% pure as determined by 10% PAGE (coomassie staining).
Characteristic  SARS Mosaic protein is Immunoreactive with sera of SARS-infected individuals.
Applications  SARS Mosaic antigen is suitable for ELISA and Western blots, excellent antigen for detection of SARS with minimal specificity problems.
Usage  The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

PACKAGING

Stability  Five year frozen, 6 month at +40C.
Storage  shipped at ambient temperature. Upon arrival, store at -200C.
Buffer  25mM Tris-HCl, 0.4% sarcosyl, 0, 25% Triton –100 and 50% glycerol.

BACKGROUND

Introduction  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.

Keywords  SARS-CoV S (C-term); Spike C-term protein; E2 Ag; E2 glycoprotein; Human coronavirus spike glycoprotein; Peplomer protein; S Ag; S glycoprotein; Severe acute respiratory syndrome spike glycoprotein; Spike glycoprotein; Coronaviridae; Coronavirus; SARS Coronavirus Spike (C-term)

REFERENCES