

SARS-CoV-2 Spike S1 Mutant Sampler Set Recombinant Protein | SARS-CoV-2 recombinant protein

SARS-CoV-2 Spike S1 Mutant Sampler Set

CATALOG # AAA78598	HOST CHO-K1	APPLICATIONS ELISA
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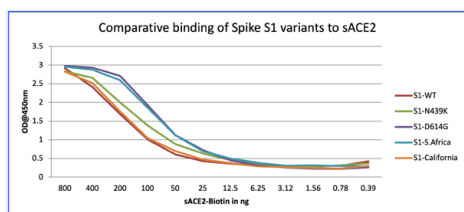
PRODUCT SYNONYMS

SARS-CoV-2 Spike S1 Mutant Sampler Set; SARS-CoV-2 recombinant protein

PRODUCT SPECIFICATIONS

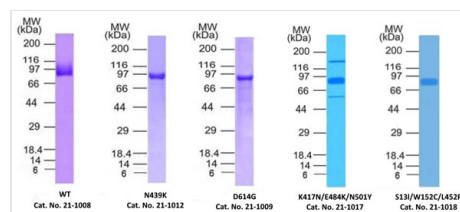
Host	CHO-K1
Purity/Purification	>95% by SDS-PAGE.
Form/Format	PBS and 10% Glycerol.
Applicable Applications for SARS-CoV-2 recombinant protein	ELISA
Protein Construction	The target proteins are expressed in CHO-K1 cells with sequence (AA 14-683) of SARS-CoV-2/COVID-19 Spike S1 fused with a 10xHis tag in C-Terminal.
Preparation and Storage	TRIM29 Protein is shipped on ice packs. Upon arrival, Store at -20 degree C. Do not freeze-thaw multiple times.

IMAGES



Application Data

Figure-2: Comparative binding of Spike S1 variants to sACE2: Wells of a 96-well microtiter plate were coated with 100 ng in duplicates each of S1-WT, S1-N439K, S1-D614G, S1-South Africa, and S1-Southern California. Binding to sACE2 was determined by adding different concentrations of biotinylated-sACE2.



Application Data

Figure-1: Recombinant SARS-CoV-2 Spike S1 wild type (WT), N439K, D614G, K417N/E484K/N501Y and S13I/W152C/L452R mutant proteins were run on a 4-20% SDS-PAGE gel followed by Coomassie blue staining.

ADDITIONAL INFORMATION

Related Product Information for SARS-CoV-2 recombinant protein	This SARS-CoV-2 Spike S1 Mutant Sampler Set contains: wild type Spike S1 protein, D614G mutant, N439K mutant, K417N/E484K/N501Y (South African) mutant and S13I/W152C/L452R (Southern California) mutant recombinant proteins expressed in CHO-K1. The spike protein S1 subunit of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) attaches the virus to its cellular receptor, angiotensin-converting enzyme 2 (ACE2). A defined receptor-binding domain (RBD) on S1 mediates this interaction. The S protein plays key parts in the induction of neutralizing antibodies and T-cell responses, as well as protective immunity.
Product Categories/Family for SARS-CoV-2 recombinant protein	Recombinant Proteins

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

