

SARS-CoV-2 (2019-nCoV) Spike S1, Southern California mutant (S13I/W152C/L452R) Recombinant Protein | SARS-CoV-2 recombinant protein

SARS-CoV-2 (2019-nCoV) Spike S1, Southern California mutant (S13I/W152C/L452R) His Tag Protein

CATALOG # AAA78602	HOST CHO-K1	APPLICATIONS Western Blot, ELISA
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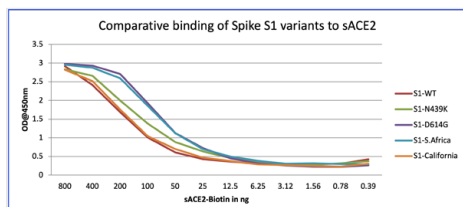
PRODUCT SYNONYMS

SARS-CoV-2 (2019-nCoV) Spike S1; Southern California mutant (S13I/W152C/L452R); Southern California mutant (S13I/W152C/L452R) His Tag Protein; SARS-CoV-2 recombinant protein

PRODUCT SPECIFICATIONS

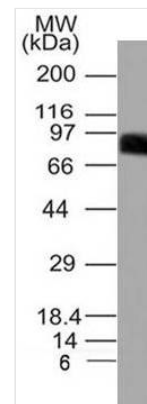
Host	CHO-K1
Purity/Purification	>95% by SDS-PAGE.
Form/Format	PBS and 10% Glycerol.
Applicable Applications for SARS-CoV-2 recombinant protein	WB (Western Blot), ELISA
Protein Construction	The target protein is expressed with sequence (AA 14-683) of SARS-CoV-2/COVID-19 Spike S1 sequence with mutation at 614aa fused with a 10xHis tag in C-Terminal.
Preparation and Storage	Recombinant TLR2-Fc Protein is shipped on ice packs. Upon arrival, Store at -20 degree C. Do not freeze-thaw multiple times.

IMAGES



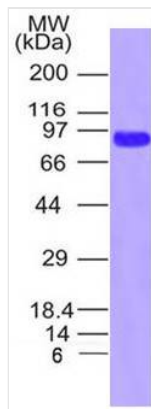
Application Data

Figure-3: 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.



WB (Western Blot)

Figure-2: Western blot analysis of SARS-CoV-2 Spike S1 S13I/W152C/L452R mutant protein. Anti-Spike S1 antibody was used in western Blot analysis.



Application Data

Figure-1: Recombinant SARS-CoV-2 Spike S1 S13I/W152C/L452R mutant protein was run on a 4-20% SDS-PAGE gel followed by Coomassie blue staining.

ADDITIONAL INFORMATION

Related Product Information for SARS-CoV-2 recombinant protein	The spike protein (S1) of coronavirus (CoV2) attaches the virus to its cellular receptor, angiotensin-converting enzyme 2 (ACE2). A defined receptor-binding domain (RBD) on S mediates this interaction. The S protein plays key parts in the induction of neutralizing-antibody 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.

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Online datasheet: <https://stage.aaabiotech.com/sars-cov-2-2019-ncov-spike-s1-southern-california-mutant-s13i/w152c/l452r-recombinant-protein-cho-k1-wb-western-blot-elisa/78602>