

SARS-CoV-2 Spike S1 polyclonal antibody

Catalog: BS80242

Host: Rabbit

Reactivity: SARS-CoV-2

BackGround:

The spike protein (S) of coronavirus (CoV) 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:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

110KDa

Swiss-Prot:

P0DTC2

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

DB, 1:500 - 1:2000 | ELISA, 1:20000-1:80000 | WB, 1:500 - 1:2000 | IF/ICC, 1:50 - 1:200 | IP, 1:50 - 1:200

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Modification:

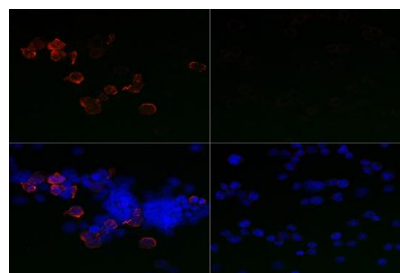
Unmodification

DATA:

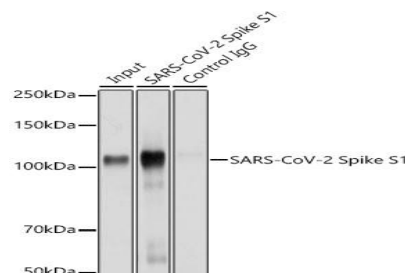
Western blot analysis of extracts of 293T cells, using SARS-CoV-2 Spike S1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in

TBST. Detection: ECL Basic Kit. Exposure time: 1s.

Immobilized Recombinant SARS-COV-2 Spike S1 Protein at 1µg/mL can bind SARS-CoV-2 Spike S1 Rabbit pAb with a linear range of 0.78-50ng/mL.



Immunofluorescence analysis of 293T cells transfected with SARS-CoV-2 Spike S1 fusion protein and untreated 293T cells. SARS-CoV-2 Spike S1 Rabbit pAb at dilution of 1:400. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 300ug extracts of 293T cells using 3ug SARS-CoV-2 Spike S1 antibody. Western blot was performed from the immunoprecipitate using SARS-CoV-2 Spike S1 antibody at a dilution of 1:10000.

Note:

For research use only, not for use in diagnostic procedure.

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