

Datasheet

SARS-CoV-2 (COVID-19) Spike (S1) Antibody

Product Name	SARS-CoV-2 (COVID-19) Spike (S1) Antibody
Catalogue Number	BSV-COV-AB-05
Clone, Isotype	Polyclonal, IgG
Concentration	0.2 mg/ml
Format	IgG
Tested Applications	WB, ICC/IF, ELISA

Description:

SARS-CoV-2 (COVID-19) spike antibody

Product Details:

Specificity: This antibody detects SARS-CoV-2 spike protein (S1 subunit) but does not cross-react with SARS-CoV or MERS-CoV spike proteins based on our internal testing.

Form in stock: Liquid, 0.2 mg/ml.

Host: Rabbit

Buffer: 1xPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.

Immunogen: Recombinant protein encompassing a sequence within the N-terminus region of SARS-CoV-2 (COVID-19) spike (S1). The exact sequence is proprietary.

Conjugation: Unconjugated

Alternative names: 2019-nCoV Spike, COVID-19 Spike, SARS-CoV-2 Spike.

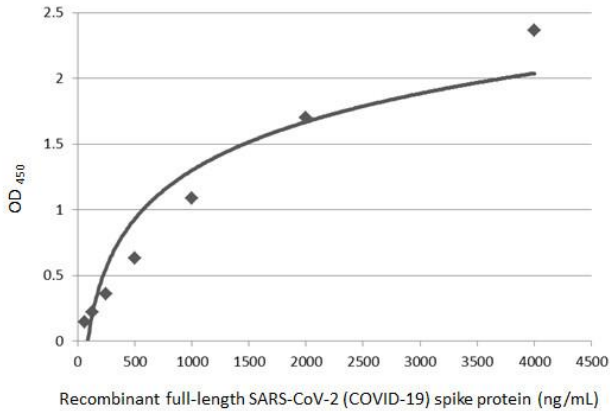
Shipping: Shipped on Dry Ice.

Storage: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

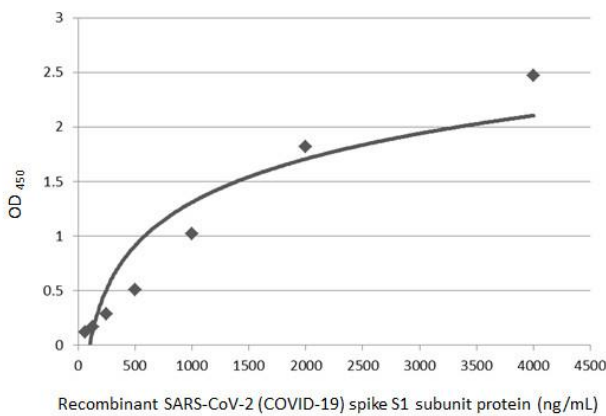
Regulatory/ Restrictions: For *In vitro* laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Applications	Suggested Dilution
Western Blot	1:1000-1:10000
ICC/IF	1:100-1:1000
ELISA	Assay dependent

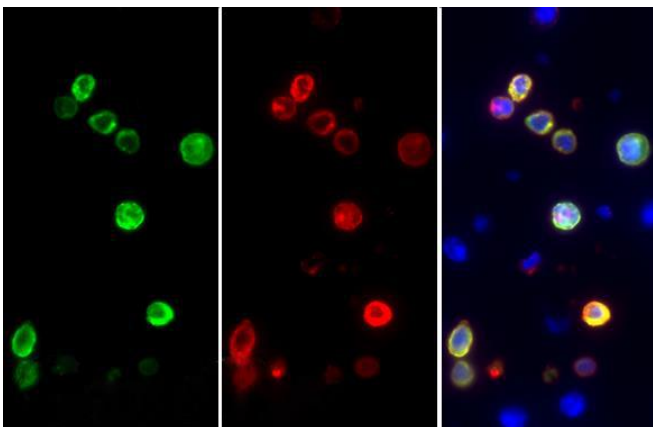
Applications



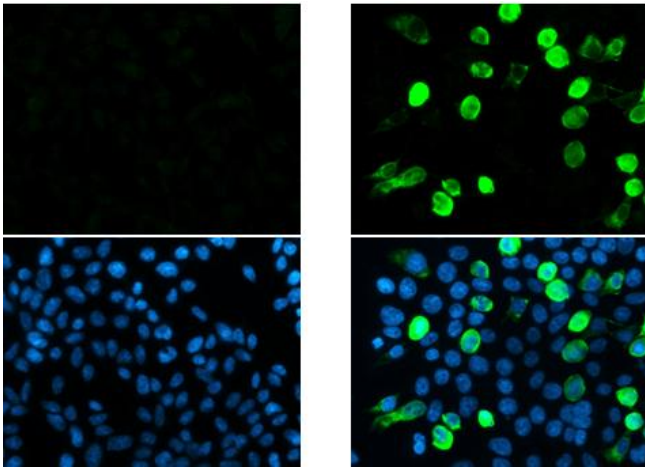
Indirect ELISA analysis. Performed by coating plate with 50µl of Recombinant Full-length SARS-CoV-2 Spike Protein at concentrations ranging from 0.625µg/ml to 4µg/ml. The coated protein is detected with SARS-CoV-2 (COVID-19) spike antibody (BSV-COV-AB-05) at 1µg/ml.



Indirect ELISA analysis was performed by coating plate with 50 µl of recombinant SARS-CoV-2 (COVID-19) spike S1 subunit protein at concentrations ranging from 0.0625 µg/mL to 4 µg/ml. The coated protein is detected with SARS-CoV-2 (COVID-19) spike antibody (BSV-COV-AB-05) at 1 µg/ml. Rabbit IgG antibody (HRP) was diluted at 1:10000 and used to detect the primary antibody.



SARS-CoV-2 (COVID-19) spike antibody detects SARS-CoV-2 (COVID-19) spike protein by **immunohistochemical analysis**.
Sample: Paraffin-embedded SARS-CoV-2 (COVID-19) Spike FFPE Cell Pellet Block.
Green: SARS-CoV-2 (COVID-19) spike stained by SARS-CoV-2 (COVID-19) spike antibody (BSV-COV-AB-05) diluted at 1:1000.
Red: SARS-CoV / SARS-CoV-2 (COVID-19) spike stained by SARS-CoV / SARS-CoV-2 (COVID-19) spike antibody [1A9] diluted at 1:1000.
Blue: Fluoroshield with DAPI.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

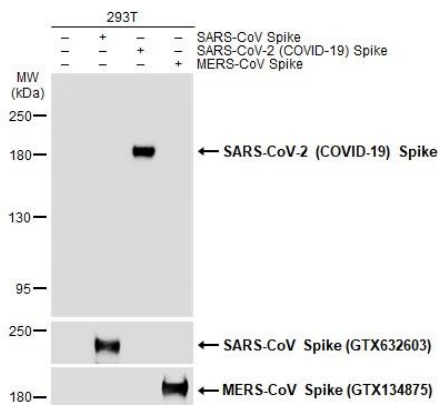


SARS-CoV-2 (COVID-19) spike antibody detects SARS-CoV-2 (COVID-19) spike protein by **immunofluorescent analysis**.

Sample: Mock and SARS-CoV-2 Spike-transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: SARS-CoV-2 (COVID-19) spike stained by SARS-CoV-2 (COVID-19) spike antibody (BSV-COV-AB-05) diluted at 1:1500.

Blue: Fluoroshield with DAPI.



Western Blotting: Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with SARS-CoV-2 (COVID-19) spike antibody (BSV-COV-AB-05) diluted at 1:5000. An HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.