

## Anti-SARS-CoV Spike S1 Monoclonal Antibody

E-AB-V1350

<b>Application</b>	WB,ELISA	<b>Host</b>	Mouse
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Clone No.</b>	08

**Important Note** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Details

<b>Immunogen</b>	Recombinant SARS-CoV S1 Protein (His Tag) Active
<b>Isotype</b>	IgG2a
<b>Host</b>	Mouse
<b>Clone No.</b>	08
<b>Reactivity</b>	SARS
<b>Dilution</b>	WB 1:1000-1:5000 ELISA 1:1000-1:2000
<b>Storage Buffer</b>	0.2 µm filtered solution in PBS
<b>Stability &amp; Storage</b>	Ships on ice packs. Store at -20°C
<b>Description</b>	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified Recombinant SARS-CoV S1 Protein (His Tag)(Active). The IgG fraction of the cell culture supernatant was pur

### Antigen Information

**Alternate Names** coronavirus s1,coronavirus spike,cov spike,ncov RBD,ncov s1,ncov spike,novel coronavirus RBD,novel coronavirus s1,,novel coronavirus spike,RBD,S1,Spike RBD

**Background** The spike (S) glycoprotein of coronaviruses contains protrusions that will only bind to certain receptors on the host cell. Known receptors bind S1 are ACE2, angiotensin-converting enzyme 2; DPP4, dipeptidyl peptidase-4; APN, aminopeptidase N; CEACAM, carcinoembryonic antigen-related cell adhesion molecule 1; Sia, sialic acid; O-ac Sia, O-acetylated sialic acid. The spike is essential for both host specificity and viral infectivity. The term 'peplomer' is typically used to refer to a grouping of heterologous proteins on the virus surface that function together. The spike (S) glycoprotein of coronaviruses is known to be essential in the binding of the virus to the host cell at the advent of the infection process.

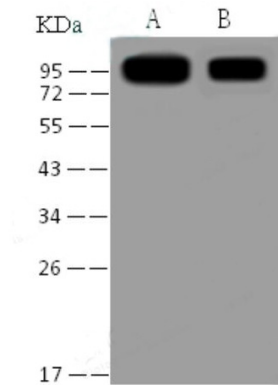
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Applications: Activ- Activation; Block- Blocking; Separation- Cell Separation ; Cell Sep-Neg- Cell Separation by Negative Selection; FA- Functional Assay; Neut- Neutralization; Stim- Stimulation; FCM- Flow Cytometry; ICFM: Intracellular Staining for Flow Cytometry; WB- Western Blotting; IHC- Immunohistochemistry; IF- Immunofluorescence; IP- Immunoprecipitation

## Images



Western Blot analysis of Recombinant SARS-CoV S1 Protein (His Tag)(PKSV030101 with 30ng and 5ng) using Anti-SARS-CoV Spike S1 Monoclonal Antibody at dilution of 1:1000.

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