## Anti-SARS-CoV Spike S1 Monoclonal Antibody

Catalog Number: E-AB-V1350



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

Description	
Reactivity	SARS
Immunogen	Recombinant SARS-CoV S1 Protein (His Tag) [Active]
Host	Mouse
Isotype	IgG2a
Clone	08
Purification	Protein A Affinity
Conjugation	Unconjugated
Formulation	0.2 µm filtered solution in PBS
Applications	Recommended Dilution
WB	1:1000-1:5000
ELISA	1:1000-1:2000
Data	



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.

## **Preparation & Storage**

Storage

Store at -20°C. Avoid freeze / thaw cycles.

## 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, Oacetylated 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.

## For Research Use Only

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