

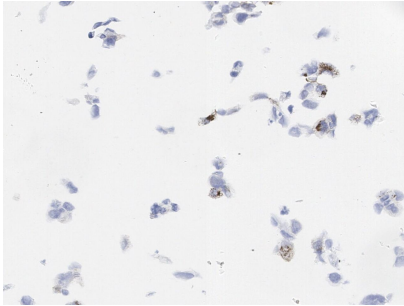


Catalog Number: 40591-MM41

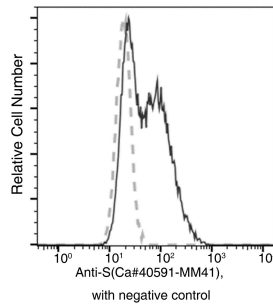
GENERAL INFORMATION	
Immunogen:	Recombinant SARS-CoV-2 Spike Protein (Catalog#40591-V05H1)
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant SARS-CoV-2 Spike (Catalog#40591-V05H1; YP_009724390.1; Val16-Arg685). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Ig Type:	Mouse IgG1
Clone ID:	41
Specificity:	SARS-CoV-2 Spike S1
	<p>Has cross-reactivity in ELISA with SARS-CoV-2 Spike S1+S2 ECD Protein (Cat# 40589-V08B1) SARS-CoV-2 Spike S1 Protein (Cat# 40591-V05H1) SARS-CoV-2 Spike S1 Protein (Cat# 40591-V08H) SARS-CoV-2 Spike RBD Protein (Cat# 40592-V05H) SARS-CoV-2 Spike RBD Protein (Cat# 40592-V08B) SARS-CoV Spike S1+S2 ECD Protein (Cat# 40634-V08B)</p> <p>No cross-reactivity in ELISA with MERS-CoV Spike S1+S2 ECD Protein (Cat# 40069-V08B) HCoV-NL63 Spike S1+S2 ECD Protein (Cat# 40604-V08B) HCoV-229E Spike S1+S2 ECD Protein (Cat# 40605-V08B) HCoV-HKU1 (isolate N5) Spike S1+S2 ECD Protein (Cat# 40606-V08B) HCoV-OC43 Spike S1+S2 ECD Protein (Cat# 40607-V08B)</p>
Formulation:	0.2 µm filtered solution in PBS
Storage:	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Alternative Names:	Spike
APPLICATIONS	
Applications:	ELISA,FCM,IHC-P,ELISA(Det)
	(Antibody's applications have not been validated with corresponding viruses. Optimal concentrations/dilutions should be determined by the end user.)
RECOMMENDED CONCENTRATION	
ELISA	ELISA: 0.5-1 µg/mL
Sandwich ELISA (Detection Ab)	ELISA(Det): 0.1-1µg/mL
FCM	FCM: 1:25-1:100
IHC-P	IHC-P: 1:20-1:100

Please Note: Optimal concentrations/dilutions should be determined by the end user.

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Immunocytochemistry analysis of SARS-CoV-2 Spike overexpressed HEK293 Cells were stained with purified anti-SARS-CoV-2 Spike Mouse MAb, then a HRP-conjugated second step antibody.



Flow cytometric analysis of SARS-CoV-2 Spike overexpressed HEK293 Cells were stained with purified anti-SARS-CoV-2 Spike Mouse MAb, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.