

SARS-CoV-2 (2019-nCoV) Spike S2 Antibody, Chimeric MAb



Sino Biological
Biological Solution Specialist

Catalog Number: 40590-D001

GENERAL INFORMATION	
Immunogen:	Recombinant SARS-CoV-2 / 2019-nCoV Spike S2 ECD Protein (Catalog#40590-V08B)
Preparation	It is a chimeric monoclonal antibody combining the constant domains of the human IgG1 molecule with mouse variable regions. The variable region was obtained from a mouse immunized with purified, recombinant SARS-CoV-2 Spike S2 ECD Protein. The antibody was produced using recombinant antibody technology.
Ig Type:	mouse (variable region) / human (kappa / IgG1 constant) chimeric antibody
Clone ID	D001
Specificity:	SARS-CoV-2 (2019-nCoV) Spike S2 Protein Has cross-reactivity in ELISA with SARS-CoV-2 Spike S1+S2 ECD Protein (Cat# 40589-V08B1) SARS-CoV Spike S1+S2 ECD Protein (Cat# 40634-V08B) MERS-CoV Spike S1+S2 ECD Protein(Cat# 40069-V08B) No cross-reactivity in ELISA with MERS-CoV Spike Spike S2 (Cat# 40070-V08B) SARS-CoV-2 (2019-nCoV) Spike S1 (Cat# 40591-V08H) SARS-CoV-2 (2019-nCoV) Spike RBD (Cat# 40592-V05H) MERS-CoV Spike S2 Protein (Cat# 40070-V08B) HCoV-OC43-Spike S1+S2 Protein (Cat# 40607-V08B) HCoV-229E-Spike S1+S2 Protein (Cat# 40605-V08B) HCoV-HKU1 (isolate N5)Spike S1+S2 Protein (Cat# 40606-V08B) HCoV-NL63-Spike S1+S2 Protein (Cat# 40604-V08B)
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,ICC/IF (Antibody's applications have not been validated with corresponding viruses. Optimal concentrations/dilutions should be determined by the end user.)
RECOMMENDED CONCENTRATION	
ELISA	ELISA: 1:5000-1:10000
FCM	FCM: 1:25-1:100
IHC-P	IHC-P: 1:100-1:500
ICC/IF	IF: 1:20-1:100

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

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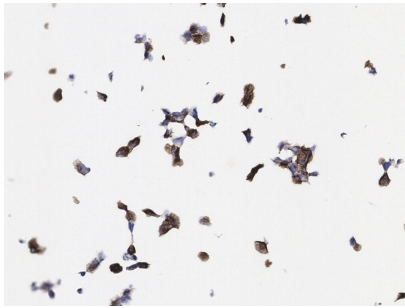
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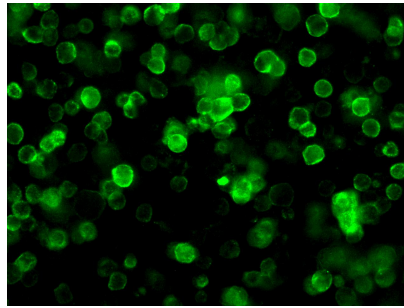


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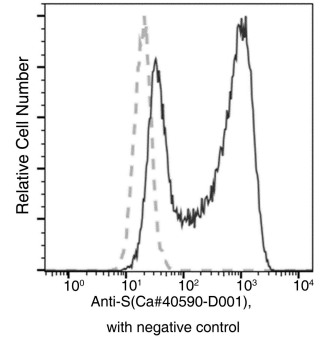
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Immunohistochemical analysis of SARS-CoV-2 Spike overexpressed HEK293 Cells were stained with purified anti-SARS-CoV-2 Spike Chimera Mab, then a HRP-conjugated second step antibody.



Immunofluorescence analysis of SARS-CoV-2 Spike overexpressed HEK293 Cells were stained with purified anti-SARS-CoV-2 Spike Chimera Mab, then a FITC-conjugated second step antibody.



Flow cytometric analysis of SARS-CoV-2 Spike overexpressed HEK293 Cells were stained with purified anti-SARS-CoV-2 Spike Chimera 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.

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