

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



Sino Biological
Biological Solution Specialist

Catalog Number: 40150-D003

GENERAL INFORMATION	
Immunogen:	Recombinant SARS-CoV Spike RBD Protein (Catalog#40150-V08B2)
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 Spike RBD Protein. The antibody was produced using recombinant antibody technology.
Ig Type:	mouse (variable region) / human (kappa / IgG1 constant) chimeric antibody
Clone ID	D003
Specificity:	SARS-CoV Spike RBD Protein Has cross-reactivity in ELISA with SARS-CoV Spike S1 Protein (Cat# 40150-V08B1) SARS-CoV-2 (2019-nCoV) Spike S1 Protein (Cat# 40591-V08H) SARS-CoV-2 (2019-nCoV) Spike RBD Protein (Cat# 40592-V08B) No cross-reactivity in ELISA with MERS-CoV Spike S1 Protein (Cat# 40069-V08B1) HCoV-HKU1 (isolate N1) Spike S1 Protein (Cat# 40021-V08H) HCoV-HKU1 (isolate N5) Spike S1 Protein (Cat# 40602-V08H) HCoV-NL63 Spike S1 Protein (Cat# 40600-V08H) HCoV-229E Spike S1 Protein (Cat# 40601-V08H) HCoV-OC43 Spike S1+S2 ECD Protein (Cat# 40607-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,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
ICC/IF	IF: 1:20-1:100

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

Manufactured By Sino Biological Inc.

Tel: 215-583-7898 (US); +86-400-890-9989(Global) ●

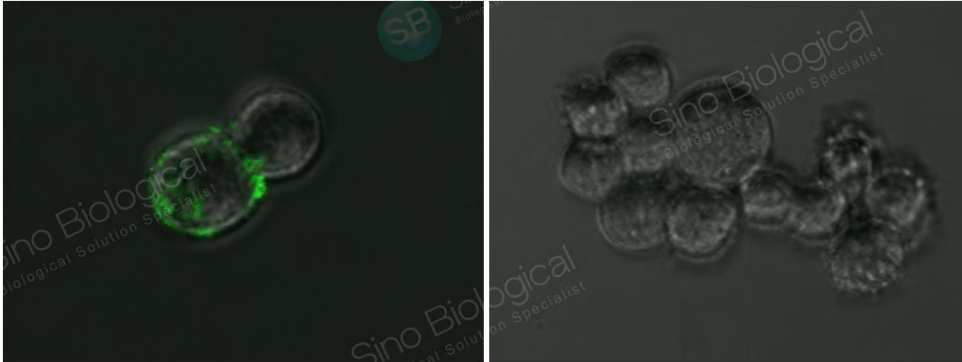
<http://www.sinobiological.com>

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

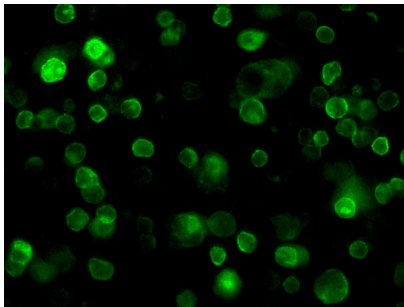


Sino Biological
Biological Solution Specialist

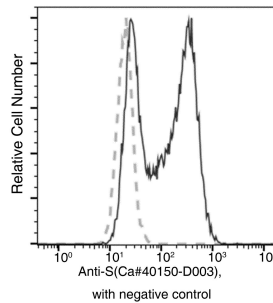
Catalog Number: 40150-D003



Immunofluorescence staining of SARS-CoV-2 (2019-nCoV) Spike in ACE2-overexpressed 293T cells, infected (left) or noninfected (right) by 2019-nCoV-Spike pseudovirus (PSV). Cells were blocked with 10% serum, and incubated with SARS-CoV Spike monoclonal antibody (dilution ratio 1:60) at 37°C for 1 hour. Then cells were stained with the FITC-conjugated Goat Anti-human IgG secondary antibody (green).



Immunofluorescence analysis of SARS-COV-2 Spike overexpressed HEK293 Cells were stained with purified anti-SARS 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 Chimeric 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.