

HCoV-OC43 Spike Antibody, Mouse MAbs



Sino Biological
Biological Solution Specialist

Catalog Number: 68086-MM29

GENERAL INFORMATION	
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 CoV spike S1+S2 ECD protein. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Ig Type:	Mouse IgG1
Clone ID:	29
Specificity:	Recognize the Spike of HCoV-OC43. Don't recognize the Spike of SARS-CoV-2, SARS-CoV, MERS-CoV, HCoV-NL63, HCoV-229E, HCoV-HKU1 (isolate N5). Has cross-reactivity in ELISA and WB with HCoV-OC43 Spike S1+S2 ECD-His (Cat# 40607-V08B) No cross-reactivity in ELISA and WB with SARS-CoV-2 Spike S1-His (Cat# 40591-V08H) SARS-CoV-2 Spike S1 NTD-Fc & AVI (Cat# 40591-V41H) SARS-CoV-2 Spike S1 NTD-His & AVI (Cat# 40591-V49H) SARS-CoV-2 Spike RBD-His (Cat# 40592-V08B) SARS-CoV-2 Spike S1+S2 ECD-His (Cat# 40589-V08B1) SARS-CoV-2 Spike S2 ECD-His (Cat# 40590-V08B) SARS-CoV Spike S1+S2 ECD-His (Cat# 40634-V08B) MERS-CoV Spike S1+S2 ECD-His (Cat# 40069-V08B) HCoV-229E Spike S1+S2 ECD-His (Cat# 40605-V08B) HCoV-HKU1 (isolate N5) Spike S1+S2 ECD-His (Cat# 40606-V08B) HCoV-NL63 Spike S1+S2 ECD-His (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:	WB, ELISA (Antibody's applications have not been validated with corresponding viruses. Optimal concentrations/dilutions should be determined by the end user.)
RECOMMENDED CONCENTRATION	
Western Blot	WB: 1:1000-1:5000
ELISA	ELISA: 1:1000-1:2000

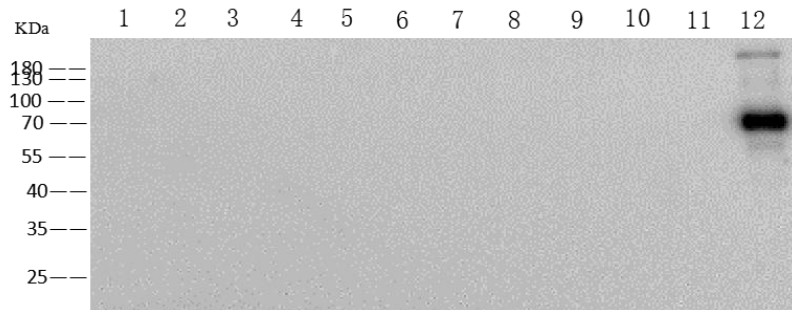
Please Note: Optimal concentrations/dilutions should be determined by the end user.

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Anti-HCoV-OC43 mouse monoclonal antibody at 1:1000 dilution.

Sample: Recombinant Protein 10 ng

Lane 1: SARS-CoV-2 Spike S1-His (Cat#40591-V08H)
Lane 2: SARS-CoV-2 Spike S1 NTD-Fc & AVI (Cat#40591-V41H)
Lane 3: SARS-CoV-2 Spike S1 NTD-His & AVI (Cat#40591-V49H)
Lane 4: SARS-CoV-2 Spike RBD-His (Cat#40592-V08B)
Lane 5: SARS-CoV-2 Spike S2 ECD-His (Cat#40590-V08B)
Lane 6: SARS-CoV-2 Spike S1+S2 ECD-His (Cat#40589-V08B1)
Lane 7: SARS-CoV Spike S1+S2 ECD-His (Cat#40634-V08B)
Lane 8: MERS-CoV Spike S1+S2 ECD-His (Cat#40069-V08B)
Lane 9: HCoV-NL63 Spike S1+S2 ECD-His (Cat#40604-V08B)
Lane 10: HCoV-229E Spike S1+S2 ECD-His (Cat#40605-V08B)
Lane 11: HCoV-HKU1 (isolate N5) Spike S1+S2 ECD-His (Cat#40606-V08B)
Lane 12: HCoV-OC43 Spike S1+S2 ECD-His (Cat#40607-V08B)

Secondary

Goat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution

Developed using the ECL technique.
Performed under reducing conditions.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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