

SARS-CoV-2 Spike Neutralizing Antibody, Rabbit MAb



Sino Biological
Biological Solution Specialist

Catalog Number: 40592-R831

GENERAL INFORMATION	
Immunogen:	Recombinant SARS-CoV-2 Spike RBD-his Protein (Catalog#40592-V08H)
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant SARS-CoV-2 Spike (Catalog#40592-V08H; YP_009724390.1; Arg319-Phe541).
Ig Type:	Rabbit IgG
Clone ID:	831
Specificity (ELISA)	SARS-CoV-2 Spike RBD Has cross-reactivity in ELISA with SARS-CoV-2 Spike S1 Protein (Cat# 40591-V08H) SARS-CoV-2 Spike RBD Protein (Cat# 40592-V08B) SARS-CoV-2 Spike RBD Protein (Cat# 40592-V08H) SARS-CoV-2 Spike S1+S2 ECD Protein (Cat# 40589-V08B1) No cross-reactivity in ELISA with SARS-CoV Spike S1+S2 ECD Protein (Cat# 40634-V08B) 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)
Endotoxin	< 3 EU/mg
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.
APPLICATIONS	
Applications:	Neutralization, ELISA IHC, FCM, IF, IP et al. applications haven't been validated. (Antibody's applications haven't been validated with corresponding virus positive samples. Optimal concentrations/dilutions should be determined by the end user.)
RECOMMENDED CONCENTRATION	
ELISA	ELISA: 0.1-0.2 µg/mL

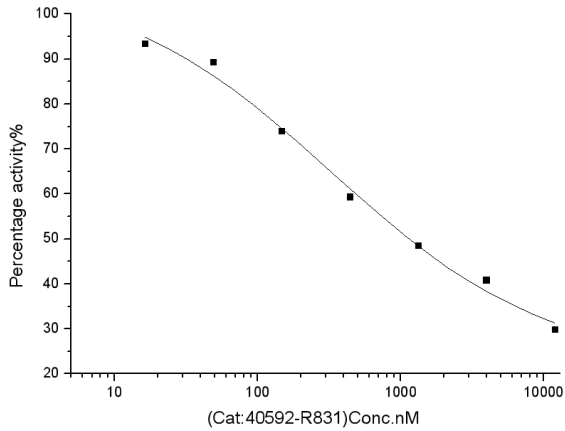
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Serial dilutions of Anti-SARS-CoV-2 Neutralizing Antibody (Catalog# 40592-R831) was detected by SARS-CoV-2 (2019-nCoV) Inhibitor Screening ELISA Kit (Catalog# KIT001). The IC_{50} is typically 0.5-5 nM.

Conc. (µg/mL)	Inhibition%
100	98.62%
20	88.43%
4	49.87%
0.8	13.58%
0.16	3.30%
0.032	0.31%
0.0064	-9.20%
0.00128	-29.81%

The neutralization activity is Measured by microneutralization assay in vitro. The virus microneutralization (MN) test was performed on 293T-ACE2 cells infected with SARS-CoV-2 (2019-nCoV) Spike Pseudovirus under treatment of serial dilutions of neutralizing antibody. The infection was neutralized by increasing concentrations of Anti-SARS-CoV-2 Neutralizing Antibody (Catalog# 40592-R831). Rate of inhibition was determined by comparing the Relative Light Unit (RLU) of Luciferase reporter in different antibody concentrations. The IC_{50} is typically 4.022 µg/mL.

Manufactured By Sino Biological Inc.

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