

ACE2 Neutralizing Antibody, Mouse Mab



Sino Biological
Biological Solution Specialist

Catalog Number: 10108-MM36

GENERAL INFORMATION

Immunogen:	Recombinant Human ACE2 Protein (Catalog#10108-H08H)
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 Human ACE2 (rh ACE2; Catalog #10108-H08H; Met1-Ser740; NP_068576.1). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Ig Type:	Mouse IgG1
Clone ID:	36
Specificity (ELISA)	Human ACE2
Formulation:	0.2 µm filtered solution in Histidine and Arginine buffer containing 120mM NaCl, 0.02% Tween 80, pH6.0
Microneutralization (MN)	The neutralization activity is Measured by microneutralization assay in vitro. The virus microneutralization (MN) test was performed on (ACE2 & TMPRSS2) overexpressed 293T cells infected with SARS-CoV-2 (2019-nCoV) Spike Pseudovirus (WT, Cat# PSV001) under treatment of serial dilutions of neutralizing antibody. The infection was neutralized by increasing concentrations of Anti-ACE2 Neutralizing Antibody (Catalog# 10108-MM36). Rate of inhibition was determined by comparing the Relative Light Unit (RLU) of Luciferase reporter in different antibody concentrations. The IC ₅₀ is typically 5-20 µg/mL.
Block:	Serial dilutions of Anti-ACE2 Neutralizing Antibody (Catalog# 10108-MM36) was detected by SARS-CoV-2 (2019-nCoV) Inhibitor Screening ELISA Kit (Catalog# KIT001). The IC ₅₀ is typically 1.20 nM.
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:	ELISA, IHC-P,FCM,Neutralization
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RECOMMENDED CONCENTRATION

ELISA	ELISA: 0.5-1 µg/mL
IHC	IHC: 1-10 µg/mL

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

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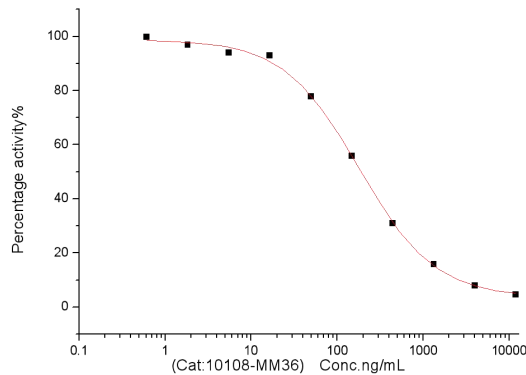
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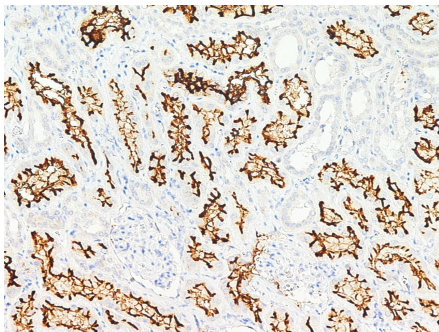
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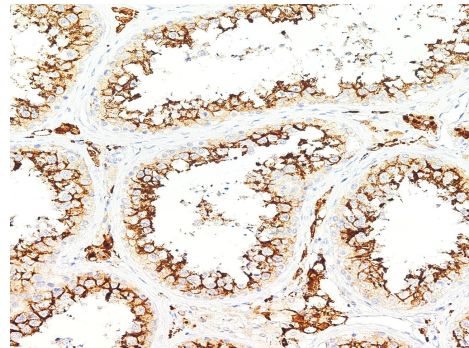
Serial dilutions of Anti-ACE2 Neutralizing Antibody (Catalog# 10108-MM36) was detected by SARS-CoV-2 (2019-nCoV) Inhibitor Screening ELISA Kit (Catalog# KIT001). The IC_{50} is typically 1.20 nM.

Conc. (μg/mL)	Inhibition%
100	99.28%
20	98.77%
4	75.64%
0.8	-0.35%
0.16	-13.62%
0.032	-3.00%
0.0064	8.33%
0.00128	30.49%

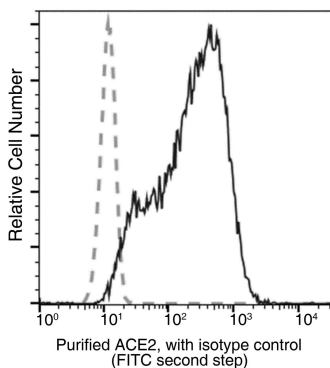
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Immunohistochemical staining of human ACE2 in human kidney with mouse monoclonal antibody in 5 μ g/ml, formalin-fixed paraffin embedded sections.



Immunohistochemical staining of human ACE2 in human testis with mouse monoclonal antibody in 5 μ g/ml, formalin-fixed paraffin embedded sections.



expression on ACE2-transfected 293T cells. Cells were stained with purified anti-Human Human ACE2, 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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