



SARS-CoV-2 (COVID-19) Spike RBD Monoclonal Antibody [B003]

Cat. No.: 10-559

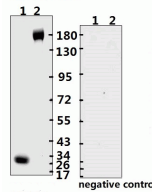


Figure 1 Western Blot Validation with Recombinant Protein

Loading: 1µg of recombinant protein per lane. Lane 1: 10-008 and Lane 2: 10-011. Antibodies: SARS-CoV-2 (COVID-19) Spike-ECD/RBD Monoclonal, 10-559, 1:4000. Secondary: Goat ant

ELISA experiment

	1	2	
A	2.005	2.58	1:1000
B	1.945	2.453	1:10000
C	1.651	2.292	1:100000
D	1.325	1.858	1:40000
E	0.976	1.385	1:80000
F	0.829	0.951	1:160000
G	0.34	0.541	1:320000
H	0.167	0.113	blank control

Figure 2 ELISA Test

Coating original concentration: 2 µg/mL, 100 µL/well samples are column 1: SARS-CoV-2 (COVID-19) Spike-ECD Recombinant Protein, 10-011, and column 2: SARS-CoV-2 (COVID-19) Spike-RBD Recombinant Protein, 10-008.
Antibodies: SARS-CoV-2 (COVID-19) Spike-ECD/RBD Monoclonal Antibody, 10-559.
Secondary: Goat anti-human IgG HRP conjugate at 1:10000 dilution.
Develop: 15min, 100 µL/well.
Stop: Stop buffer 50 µL/well.

Ψ Specifications

HOST SPECIES:	Human
SPECIES REACTIVITY:	Virus
IMMUNOGEN:	S-RBD recombinant protein
TESTED APPLICATIONS:	ELISA, Neut, WB
APPLICATIONS:	ELISA: ECD-1:320000, RBD-1:80000 WB: 1:1000~2000

PURIFICATION:	Greater than 95% as determined by reducing SDS-PAGE.
CLONALITY:	Monoclonal
CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid
BUFFER:	PBS with 0.02% sodium azide, 10% glycerol, pH7.2
CONCENTRATION:	batch dependent
STORAGE CONDITIONS:	Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Additional Info

OFFICIAL SYMBOL:	S
ALTERNATE NAMES:	SARS-CoV-2 (COVID-19, 2019-nCoV) Spike Antibody: Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), Surface Glycoprotein, Spike protein
ACCESSION NO.:	QHD43416.1
GENE ID:	43740568
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.

Background and References

BACKGROUND:	SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as 2019-nCoV (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. SARS CoV-2 Spike Protein derived from 2019-nCoV is composed of S1 domain and S2 domain. The S1 contains a receptor-binding domain (RBD) that can specifically bind to angiotensin-converting enzyme 2 (ACE2), the receptor on target cells.
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