

S-ECD monoclonal antibody (1)

Catalog: HMB004-N

Host: Human

Reactivity: COVID-19

BackGround:

Fully humanized monoclonal antibody paired with human monoclonal antibody

LOCUS:QHD43416 1273aa linear VRL
18-MAR-2020

DEFINITION:surface glycoprotein [Severe acute respiratory syndrome coronavirus 2].

ACCESSION:QHD43416

VERSION:QHD43416.1

DBSOURCE:accession MN908947.3

SOURCE:Severe acute respiratory syndrome coronavirus 2 (SARS-CoV2)

ORGANISM:Viruses; Riboviria; Nidovirales; Coronaviridae; Orthocoronavirinae; Betacoronavirus; Sarbecovirus.

Product:

2mg/ml in PBS,pH7.2

Size:

100ug/1mg

Swiss-Prot:

QHD43416.1

Purification&Purity:

The antibody was purified from 293f recombinant protein and the purity is > 95% (by SDS-PAGE).

Applications:

ELISA: ECD-1:160000

WB: 1:500~1000

Neutralization

Storage&Stability:

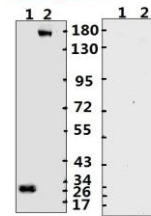
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

S-ECD mAb detects endogenous levels of S-ECD protein.

DATA:

WB experiment



1-NCP0029P 1µg (S-RBD protein)
2-NCP0030P 1µg (S-ECD protein)
Primary antibody: HMB004 1:500
S-ECD monoclonal antibody (1)
Second antibody: BS10903 1:5000
Goat anti-Human IgG +HRP
Exposure time: 30S

HMB004 negative control

ELISA experiment

	1	2	
A	0.082	2.477	1:10000
B	0.132	2.109	1:100000
C	0.127	2.039	1:40000
D	0.134	1.72	1:80000
E	0.109	1.317	1:160000
F	0.12	0.863	1:320000
G	0.123	0.638	1:640000
H	0.082	0.154	Blank control

1.Coating original concentration: 2ug/ml,100ul/hole sample is S-RBD protein (NCP0029P) and S-ECD protein (NCP0030P)

2.Primary antibody: HMB004 S-ECD monoclonal antibody (1)

3.Second antibody: BS10903 Goat anti-Human IgG +HRP 1:10000

4.Develop :15min 100ul/hole

5.Stop:stop buffer 50ul/hole

6.ELISA result are shown in the figure

Note:HMB004 don't react with NCP0029P

Note:

For research use only, not for use in diagnostic procedure.

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