

Monoclonal Anti-SARS Coronavirus/SARS-Related Coronavirus 2 Spike Glycoprotein Receptor Binding Domain (RBD), Chimeric Antibody (produced *in vitro*)

Catalog No. NR-53789

Sino Biological Catalog No. 40150-D001

Product Description:

Antibody Class: IgG1k

Clone: D001

Chimeric monoclonal antibody prepared against the severe acute respiratory syndrome coronavirus (SARS-CoV) spike (S) glycoprotein receptor binding domain (RBD) was produced using recombinant antibody technology. The variable region was obtained from mice immunized with purified recombinant SARS-CoV spike RBD protein (Sino Biological 40150-V08B2) to produce the variable region, which was combined with constant domains of the human IgG1 molecule. NR-53789 is specific to the SARS-CoV spike RBD protein and shows cross reactivity in ELISA with the SARS-CoV spike S1 protein, the SARS-CoV-2 spike RBD protein and the SARS-CoV-2 spike S1 protein, with no cross reactivity with the spike S1 proteins from MERS-CoV, HCoV-HKU1 (isolates N1 and N5), HCoV-NL63 or HCoV-229E, or the HCoV-OC43 spike S1 + S2 ectodomain (ECD) protein.

Lot: MA14JU0901-B

Manufacturing Date: 09JUN2020

TEST	SPECIFICATIONS	RESULTS
Concentration	Report results	1 mg per mL
Functional Activity ELISA	Report results	Reactive ¹
Sterility	0.2 µm filter-sterilized	0.2 µm filter-sterilized

¹Using a 1:5000-1:10000 dilution of NR-53789

/Heather Couch/

Heather Couch

20 MAY 2021

Program Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contributor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

