

Product Datasheet

Anti-SARS-CoV-2 recombinant Spike-RBD avian antibody

For research use only

Description: Antigen: *Spike-RBD 319-541_HIS*
Expressed in HEK-cell Expi293F system.
Protein carries a poly-his tag at the N-terminus.



Isotype: Avian polyclonal antibodies, IgY, Calculated MW: 180 kDa

Tested application: Indirect ELISA towards RBD antigen, Sandwich ELISA towards immobilized ACE2 in a complex with RBD antigen

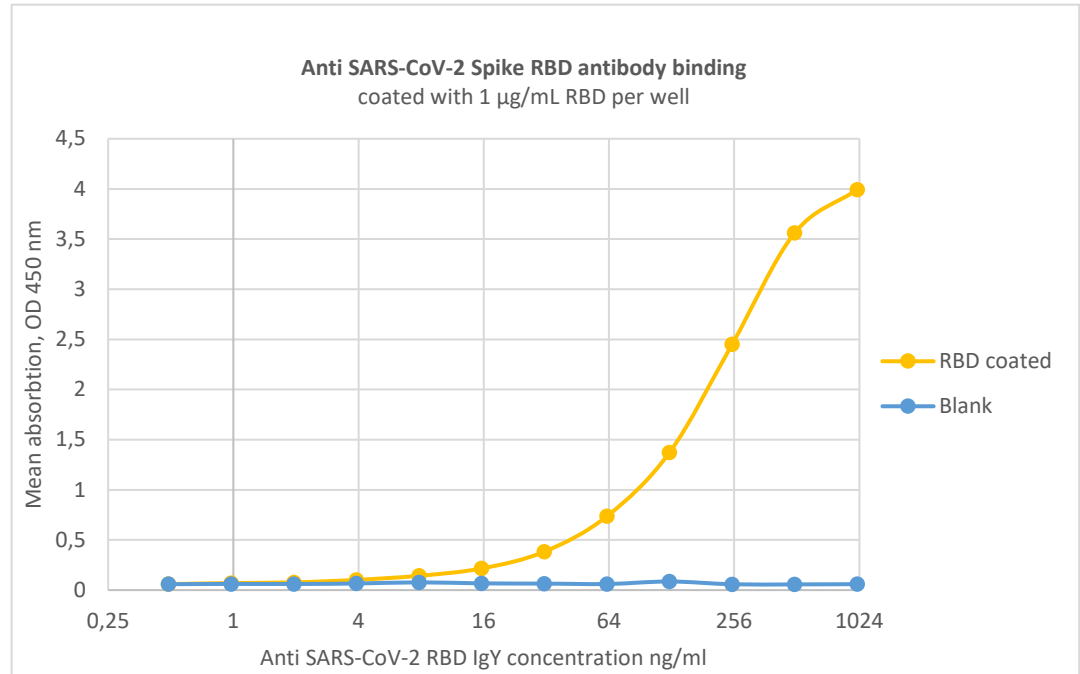
Formulation: In PBS solution pH=7.4. Sterile filtered.

Concentration: Customer specified

Bioactivity

ELISA: High antibody titer.

Immobilized SARS-CoV-2 Spike RBD 319-541 recombinant protein at 1 µg/mL (100µL/well) binds chicken anti-SARS-CoV-2 Spike RBD 319-541 with a linear range between 64 to 256 ng/mL antibody added over fixed antigen concentration coated on the well. Starting concentration of antibody normalized to 1 µg/mL.



ELISA: Specificity towards recombinant ACE2 receptor

Immobilized ACE2 1 µg/mL (100µL/well) can bind SARS-CoV-2 Spike RBD 319-541 recombinant protein. The complex is recognized by the anti-SARS-CoV-2 Spike RBD 319-541 IgY in a sandwich ELISA setup: ACE2 receptor + RBD recombinant antigen + anti SARS-CoV-2 Spike RBD 319-541 polyclonal IgY + Rabbit anti chicken IgG-HRP.

