

Product Datasheet

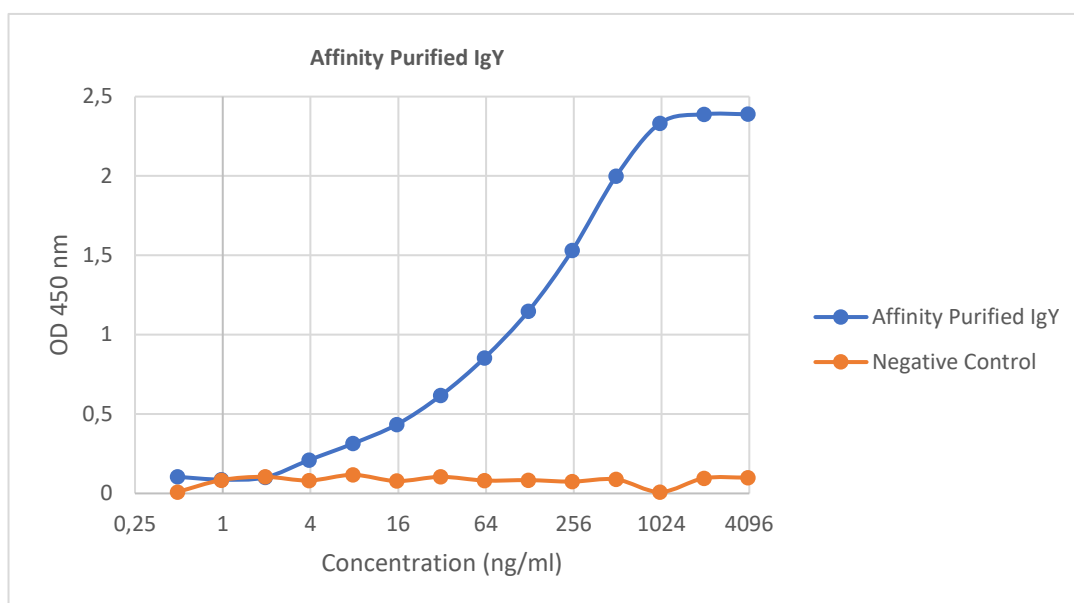
Anti-SARS-CoV-2 recombinant Spike-RBD avian antibody

For research use only

- Description:** Antigen affinity purified chicken polyclonal antibody.
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:** Tests positively in indirect ELISA assay against Spike-RBD 319-541_HIS antigen when discriminated against a negative control.
- Formulation:** In PBS solution pH=7.4. Sterile filtered.
- Concentration:** Customer specified



- Bioactivity** **ELISA: Antibody titer.**
Anti-SARS-CoV-2 Spike RBD 319-541 IgY binds immobilized SARS-CoV-2 Spike RBD 319-541 recombinant protein coated as 1 µg/mL (100µL/well).

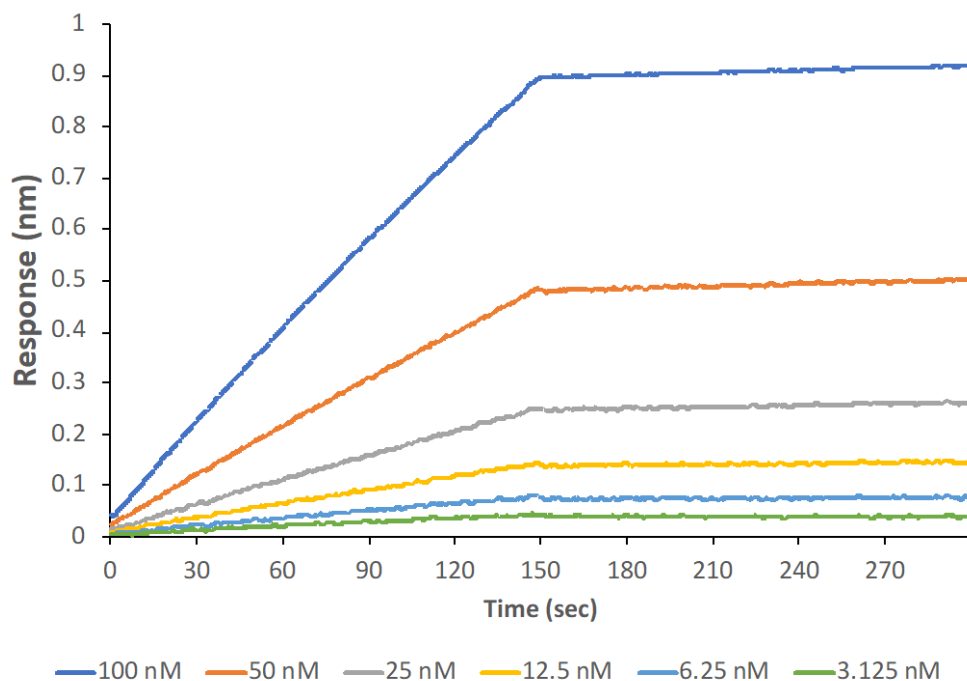


Bioactivity

Affinity measurement

Anti-SARS-CoV-2 Spike RBD 319-541 IgY displays high affinity to RBD 319-541 antigen with apparent K_D value in the single-digit nanomolar range (average K_D calculated to be 6 nM) when measured by using Bio-Layer Interferometry (BLI).

Binding of Anti-Sars-CoV-2 RBD IgY Affinity purified



Steady State Analysis

$K_D = 6.5E-9 \pm 2.1E-24$ M

