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Anti-SARS-CoV-2 Spike Protein S1

(rabbit polyclonal IgG)

Catalog # 06-0001

Immunogen: CHO-expressed full length S1 with human IgG Fc fusion..

Specificity: Recognizes SARS-CoV-2 Spike Protein S1, cross reactivity with the S proteins from SARS and MERS not tested.

Formulation: 0.1mg of rabbit polyclonal IgG in 0.1ml of 0.01M Tris-HCl, pH 8.0, 0.15M NaCl

Protein was determined by OD₂₈₀ absorbance.

Physical State: Frozen liquid

Purity: > 95% based on SDS-PAGE

Storage: Store the product at -20°C. Product is stable for about 6 weeks at 2-8°C as an undiluted liquid. Prepare working dilution fresh each day. Avoid repeated freezing and thawing.

**FOR IN VITRO RESEARCH USE ONLY
NOT FOR USE IN HUMANS**

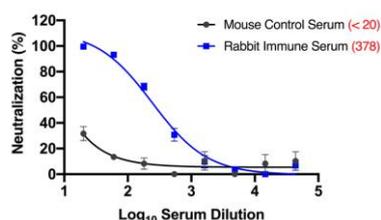
Research Applications

Indirect ELISA: to be used at 0.05~1µg/ml.

Sandwich ELISA: to be used at 0.25~1µg/ml as coating antibody with mouse anti-S1 mAb (Cat#05-001)

Virus Neutralizing Assay: titer at 20µg/ml.

Neutralization against SARS-CoV-2 Pseudovirus



1. Zhao RQ, et al. "Early detection of SARS-CoV-2 antibodies in COVID-19 patients as a serologic marker of infection", submitted. preprint: <https://www.medrxiv.org/content/10.1101/2020.03.17.20037713v1.full.pdf>.
2. Ren WL, et al. "A COVID-19 vaccine based on the spike S1 protein with a novel adjuvant induces high level of neutralizing responses in nonhuman primates" submitted.