

COVID 19 Spike Protein (South Africa Variant) Neutralization Coronavirus Antibody | anti-COVID-19 antibody

Anti-Spike Protein (SARS-CoV-2/South Africa Variant) Rabbit Serum

CATALOG # AAA62229	APPLICATIONS Neutralization Assay, ELISA, Western Blot
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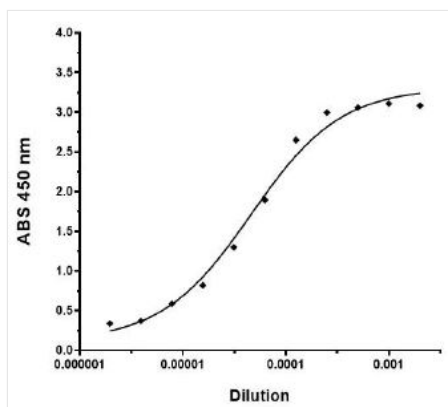
PRODUCT SYNONYMS

COVID 19 Spike Protein (South Africa Variant) Neutralization Coronavirus; Anti-Spike Protein (SARS-CoV-2/South Africa Variant) Rabbit Serum; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike Protein; South Africa Variant; Neutralization; anti-COVID-19 antibody

PRODUCT SPECIFICATIONS

Specificity	Reacts with spike protein of SARS-CoV-2 and South Africa variants. Cross-reactivity to spike proteins from other coronavirus not tested.
Purity/Purification	Immunogen affinity purified IgG
Applicable Applications for anti-COVID-19 antibody	NTRL (Neutralization Assay), ELISA, WB (Western Blot)
Immunogen	Full length spike protein of SARS-CoV-2 (South Africa variant) (GISAID Accession#: EPI_ISL_736980)
Preparation and Storage	Store at -20°C; Stable for 6-months from the date of shipment when kept at 4°C. Non-hazardous. No MSDS required.

IMAGES



ELISA

Figure 1. Titration curves of anti-spike (SARS-CoV-2/South Africa variant) rabbit serum with EC50 of 4.6e-005. 96-well corning EILSA plate was coated with SARS-CoV-2 spike RBD at a concentration of 2 µg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-COVID-19 antibody	Anti-spike protein antibody. Immunogen: SARS-CoV-2 South Africa variant spike protein. The novel coronavirus (SARS-CoV-2), previously called 2019-nCoV, is a newly identified coronavirus causing the ongoing outbreak of atypical pneumonia in Wuhan China from late 2019. The genome of SARS-CoV-2 has 89% nucleotide identity with bat SARS-like-CoVZXC21 and 82% with that of human SARS-CoV. The phylogenetic trees of their orf1a/b, Spike, Envelope, Membrane and Nucleoprotein also clustered closely with those of the bat, civet and human SARS coronaviruses. However, the external subdomain of Spike's receptor binding domain (RCB) of SARS-CoV-2 shares only 40% amino acid identity with other SARS-related coronaviruses. Rabbit polyclonal anti-spike (SARS-CoV-2 South Africa variant) antibody, rabbit serum.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/covid-19-antibody/covid-19-spike-protein-south-africa-variant-neutralization-coronavirus/62229>