German Research Products - GRP GmbH
In der Stockwiese 26
D-85410 Haag/Amper, Germany
Email: info@grp-ak.de
Phone: +49 (0)8167 6335

Product Datasheet

Anti-SARS-CoV-2 Spike Protein (RBD) (RABBIT) Antibody

GRP13249

Description	SARS-CoV-2 (Severe acute respiratory syndrome coronavirus 2 or COVID-19) is related to SARS-CoV, MERS, and four milder coronaviruses (HKU1, NL63, OC43 and 229E). SARS-CoV-2 is an enveloped positive-strand RNA virus that consists of four structural proteins: spike (S) protein, envelope (E) protein, membrane (M) protein and nucleocapsid (N) protein. The spike protein is the most important surface protein of coronavirus. SARS-CoV-2 has a high affinity binding to human receptor ACE2 (angiotensin-converting enzyme 2) within respiratory epithelial. ACE2 is a membrane-bound aminopeptidase that has a vital role in the cardiovascular and immune systems. Anti-SARS-CoV-2 Spike Protein Antibody is useful for researchers interested in diagnostics and viral research.
Species/Host	Rabbit
Reactivity	Virus
Conjugation	Unconjugated
Tested Applications	ELISA
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of the SARS Coronavirus Spike Protein within the Receptor Binding Domain (RBD).
Form/Appearance	Liquid (sterile filtered)
Concentration	0.99 mg/mL
Storage	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Note	For research use only.
Clonality	Polyclonal
Purity	Anti-SARS-CoV-2 Spike affinity purified antibody is directed against SARS Coronavirus 2 Spike protein. The product was purified from monospecific antiserum by immunoaffinity chromatography over SARS CoV-2 Spike resin. BLAST analysis was used to suggest reactivity with related Coronavirus proteins. Cross reactivity with homologues from other sources has not been determined.