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Product Datasheet

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

GRP13245

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, WB
Immunogen	This protein A purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a purified SARS-CoV-2 S protein with His-tag, derived from the transfected human HEK293 cells.
Form/Appearance	Lyophilized
Concentration	5.0 mg/mL
Storage	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. 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 antibody is directed against SARS Coronavirus 2 Spike protein. The product was purified from monospecific antiserum by protein A affinity purification. BLAST analysis was used to suggest reactivity with related Coronavirus proteins. Cross reactivity with homologues from other sources has not been determined.
Dilution Range	1:50,000 - 1:100,000