

## Goat COVID 19 Spike RBD Domain Coronavirus Polyclonal Antibody | anti-COVID-19 antibody

anti-Spike RBD Domain (SARS-CoV-2)

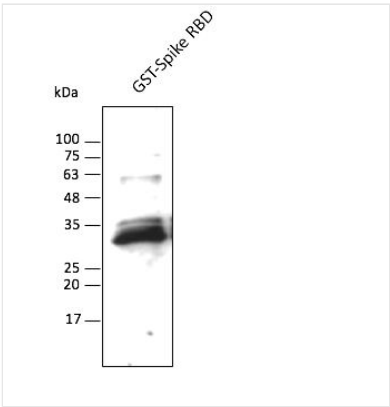
| CATALOG # | HOST | REACTIVITY                            | APPLICATIONS |
|-----------|------|---------------------------------------|--------------|
| AAA63194  | Goat | Transfected cells, SARS-CoV-2 protein | Western Blot |

### PRODUCT SYNONYMS

COVID 19 Spike RBD Domain Coronavirus; Polyclonal Antibody; anti-Spike RBD Domain (SARS-CoV-2); 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; S glycoprotein SARS Coronavirus-2; Spike RBD Domain SARS Coronavirus-2 antibody; anti-COVID-19 antibody

### PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                                                       |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                               | Goat                                                                                                                                                                  |
| Reactivity                                         | Transfected cells, SARS-CoV-2 protein                                                                                                                                 |
| Clonality                                          | Polyclonal                                                                                                                                                            |
| Isotype                                            | IgG                                                                                                                                                                   |
| Specificity                                        | In lysates of transfected cells with the plasmid containing the sequence used, detects the fusion protein by Western blot.                                            |
| Purity/Purification                                | Epitope affinity purified                                                                                                                                             |
| Form/Format                                        | Polyclonal antibody supplied as a 100ul (3mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum. |
| Concentration                                      | 3mg/ml (varies by lot)                                                                                                                                                |
| Applicable Applications for anti-COVID-19 antibody | WB (Western Blot)                                                                                                                                                     |
| Conjugation                                        | Unconjugated                                                                                                                                                          |
| Immunogen                                          | Affinity purified recombinant fusion protein using the spike protein RBD domain (residues 343 to 400) and produced in E Coli.                                         |
| Preparation and Storage                            | Store at -20 C for long-term storage. Store at 2-8 C for up to one month.                                                                                             |



| Sample            | WB  | IHC (F) | IHC (P) | IF | ELISA |
|-------------------|-----|---------|---------|----|-------|
| Transfected cells | +++ | ND      | ND      | ND | ND    |

Reactivity Data

Application Data

Anti-Spike Ab at 1/2,500 dilution; lane with 30 ng of recombinant fusion protein; chicken polyclonal to goat IgG (HRP) at 1/10,000 dilution;

ADDITIONAL INFORMATION

Related Product Information for anti-COVID-19 antibody

The spike or S glycoprotein is a transmembrane protein with a molecular weight of about 150kDa found in the outer portion of the SARS-CoV-2 virus. This protein is composed of two subunits, S1 and S2 and plays a key role in the receptor recognition and cell membrane fusion process. The S1 subunit contains a receptor-binding domain that recognizes and binds to the host receptor angiotensin-converting enzyme 2, while the S2 subunit mediates viral cell membrane fusion.

Product Categories/Family for anti-COVID-19 antibody

Primary

**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.