



[Go to Product page](#)

Datasheet for ABIN6971310

## SARS-CoV-2 Spike Protein (B.1.1.7 - alpha, RBD) (His tag)

### 2 Images

#### Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 100 µg  |
| Target:                       | SARS-CoV-2 Spike  |
| Protein Characteristics:      | B.1.1.7 - alpha, RBD                                    |
| Origin:                       | SARS Coronavirus-2 (SARS-CoV-2), SARS CoV-2 Alpha       |
| Source:                       | HEK-293 Cells   |
| Protein Type:                 | Recombinant   |
| Purification tag / Conjugate: | This SARS-CoV-2 Spike protein is labelled with His tag. |
| Application:                  | ELISA, Ligand Binding Assay (LBA)                       |

#### Product Details

|                  |   |
|------------------|---|
| Purpose:         | That is the full Receptor-Binding Domain of the SPIKE surface protein SARS-CoV-2 of the mutant strain B.1.1.7, also commonly known as the "UK / Great Britain mutant".  |
| Specificity:     | SARS-CoV-2 Spike protein RBD domain AA 319 - 537, N501Y, C-terminal His-tag   |
| Characteristics: | "SARS CoV-2 Spike B.1.1.7 Mutation RBD domain"<br>All viruses undergo fast mutations and adept quickly to the countermeasures that the immune systems creates against them. SARS-CoV-2 of the COVID-19 pandemic is no exception here. During the pandemic multiple mutant strains arose. To help the science combat these mutants we offer the RB-Domains of these mutant SPIKE proteins. |
| Purification:    | Affinity chromatography   |
| Purity:          | > 98 % as determined by SDS-PAGE  |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | SARS-CoV-2 Spike   |
| Alternative Name: | SARS2 Spike glycoprotein ( <a href="#">SARS-CoV-2 Spike Products</a> ) |
| Target Type:      | Viral Protein  |
| Molecular Weight: | 25506 Da   |
| UniProt:          | <a href="#">P0DTC2</a>   |

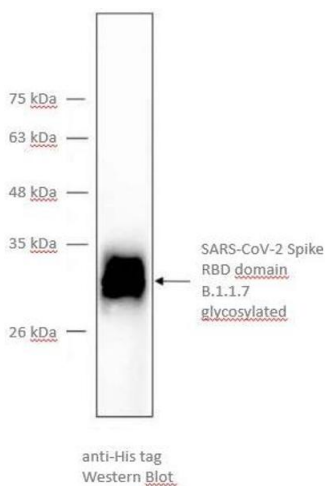
## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions:      | For Research Use only  |

## Handling

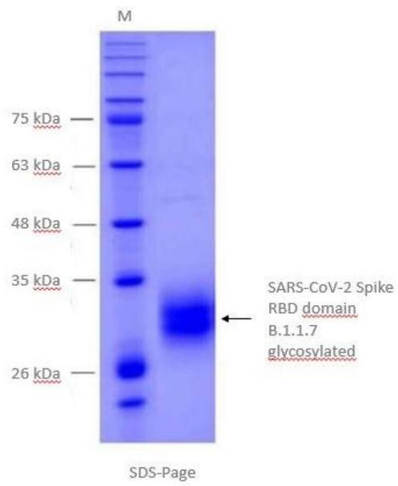
|                  |  |
|------------------|--|
| Format:          | Liquid                                   |
| Buffer:          | 20 mM Hepes pH 7.5, 150 mM NaCl          |
| Storage:         | -80 °C                                   |
| Storage Comment: | Store at -80°C. Avoid freeze-thaw cycles |

## Images



### Western Blotting

**Image 1.** Size, purity and oligomerization state of CoV-2 spike protein RBD domain assessed by Western Blot using an anti-His antibody.



## SDS-PAGE

**Image 2.** Size, purity and oligomerization state of CoV-2 spike protein RBD domain assessed by SDS-PAGE.