

Recombinant COVID-19 Spike S1 protein, hFc-Avi-tagged, Biotinylated

Cat. No. Spike-5745V **Lot. No.** (See product label)

SPECIFICATION

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|--------------------------|--|
| Product Overview | Biotinylated Recombinant COVID-19 Spike S1 protein(QHD43416.1)(Gln14-Arg683), fused with C-terminal hFc and Avi tag, was expressed in HEK293. |
| Species | Sars-CoV-2 |
| Source | HEK293 |
| ProteinLength | Gln14-Arg683 |
| Tag | C-hFc-Avi |
| Conjugation/Label | Biotin |
| Form | Supplied as 0.22µm filtered solution in PBS (pH 7.4). |
| Bio-activity | Immobilized Biotinylated SARS-COV-2 Spike S1, hFc Tag at 2µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human ACE2, His Tag with the EC50 of 0.09µg/ml determined by ELISA. |
| Molecular Mass | The protein has a predicted MW of 102.6 kDa. Due to glycosylation, the protein migrates to 130-140 kDa based on Tris-Bis PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-----------------------|---|
| Purity | > 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC |
| Storage | Valid for 12 months from date of receipt when stored at -80°C; Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |
| Conjugation | Biotin |

GENE INFORMATION

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|------------------------|---|
| Gene Name | S spike protein [Middle East respiratory syndrome-related coronavirus] |
| Official Symbol | S |
| Synonyms | Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1 |
| Gene ID | 14254594 |
| Protein Refseq | YP_009724390.1 |
| UniProt ID | P0DTC2 |

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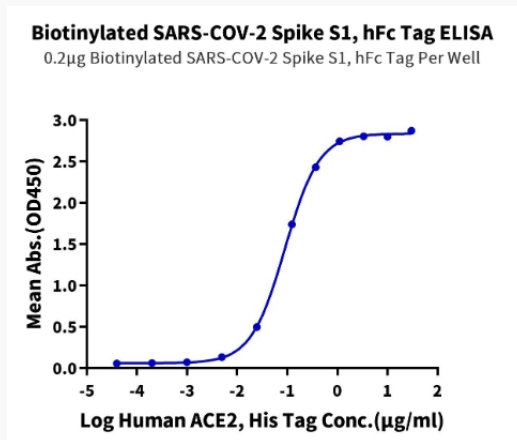
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Tris-Bis PAGE



ELISA Data



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