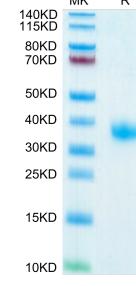
### SARS-COV-2 Spike RBD Protein

Cat. No. COV-VM4BD

#### Description Recombinant SARS-COV-2 Spike RBD Protein is expressed from HEK293 with His tag and Avi tag at the C-Source Terminus. It contains Arg319-Asn532. Accession QHD43416.1 The protein has a predicted MW of 27 kDa. Due to glycosylation, the protein migrates to 36-40 kDa based on Bis-Molecular Weight Tris PAGE result. Endotoxin Less than 1 EU per µg by the LAL method. > 95% as determined by Bis-Tris PAGE Purity > 95% as determined by HPLC Formulation and Storage Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before Formulation lyophilization. Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed Reconstitution instructions. -20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution. Recommend Storage to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. Background The spike protein (S) of coronavirus (CoV) attaches the virus to its cellular receptor, angiotensin-converting enzyme 2 (ACE2). A defined receptor-binding domain (RBD) on S mediates this interaction. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity. Assay Data **Bis-Tris PAGE** R MK 140KD



SEC-HPLC

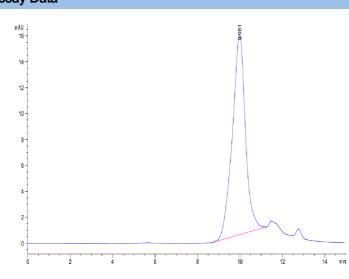
SARS-COV-2 Spike RBD on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ᠺ᠕ᡗ᠋ᠴᡃ᠐ᠫ

# SARS-COV-2 Spike RBD Protein

Cat. No. COV-VM4BD

# Assay Data

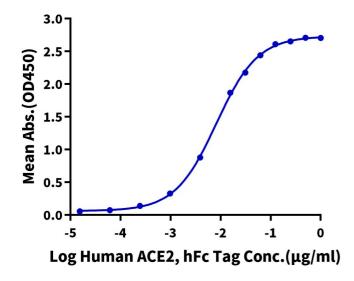


The purity of SARS-COV-2 Spike RBD is greater than 95% as determined by SEC-HPLC.

# ELISA Data

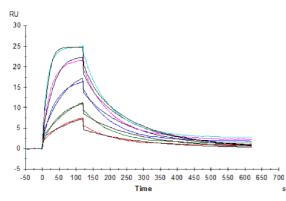
SARS-COV-2 Spike RBD, His Tag ELISA





Immobilized SARS-COV-2 Spike RBD, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human ACE2, hFc Tag with the EC50 of 8.2ng/ml determined by ELISA (QC Test).





Human ACE2, hFc Tag captured on Protein A chip, can bind SARS-COV-2 Spike RBD, His Tag with an affinity constant of 13.8nM as determined in a SPR assay (Biacore T200).

# κλιτυς