

Biotinylated SARS Spike S1 Protein

Cat. No. SAR-VM5S1B



Description

Source	Recombinant Biotinylated SARS spike S1 protein is expressed from HEK293 with hFc tag and Avi tag at the C-Terminus.
	It contains Ser14-Arg667.
Accession	P59594
Molecular Weight	The protein has a predicted MW of 100.6 kDa. Due to glycosylation, the protein migrates to 120-140 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
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 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.

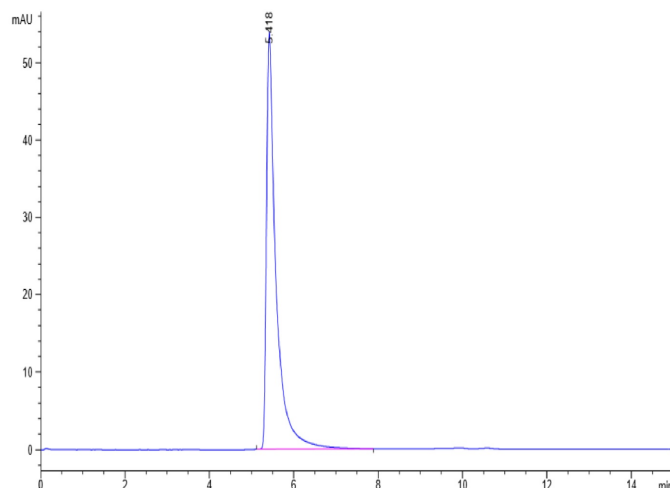
Assay Data

Tris-Bis PAGE



Biotinylated SARS spike S1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated SARS spike S1 is greater than 95% as determined by SEC-HPLC.