

Anti-Spike S1 Reference Antibody (CR3022)

Catalog # APR11160

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P59594
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Calculated MW	139125

Additional Information

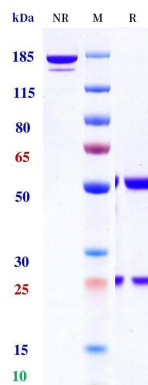
Target/Specificity	Spike S1
Expression system	CHO

Protein Information

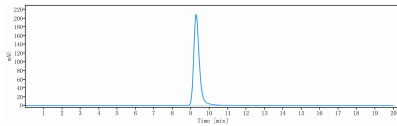
Name	S {ECO:0000255 HAMAP-Rule:MF_04099}
Function	[Spike glycoprotein]: May down-regulate host tetherin (BST2) by lysosomal degradation, thereby counteracting its antiviral activity.
Cellular Location	Virion membrane {ECO:0000255 HAMAP-Rule:MF_04099, ECO:0000269 PubMed:15831954}; Single-pass type I membrane protein {ECO:0000255 HAMAP-Rule:MF_04099, ECO:0000269 PubMed:15831954}. Host endoplasmic reticulum-Golgi intermediate compartment membrane {ECO:0000255 HAMAP-Rule:MF_04099, ECO:0000269 PubMed:20861307}; Single-pass type I membrane protein {ECO:0000255 HAMAP-Rule:MF_04099, ECO:0000269 PubMed:15831954}. Host cell membrane {ECO:0000255 HAMAP-Rule:MF_04099, ECO:0000269 PubMed:15831954}; Single-pass type I membrane protein {ECO:0000255 HAMAP-Rule:MF_04099, ECO:0000269 PubMed:15831954}. Note=Accumulates in the endoplasmic reticulum-Golgi intermediate compartment, where it participates in virus particle assembly. Colocalizes with S in the host endoplasmic reticulum-Golgi intermediate compartment (PubMed:20861307). Some S oligomers are transported to the host plasma membrane, where they may mediate cell-cell fusion. {ECO:0000255 HAMAP-Rule:MF_04099, ECO:0000269 PubMed:20861307}

Images

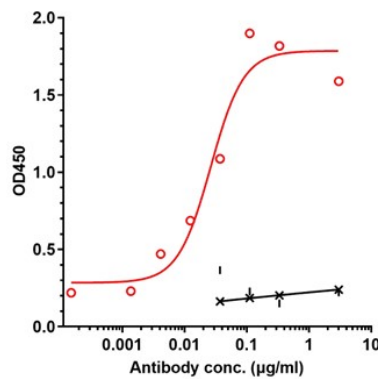
Anti-Spike S1 Reference Antibody (CR3022) on SDS-PAGE



under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-Spike S1 Reference Antibody (CR3022) is 99.5%, determined by SEC-HPLC.



Immobilized SARS-CoV 2 Spike RBD (B1.617.2-India), Fc Tag at 2 ug/mL can bind CR3022, The EC50 is 0.02631 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.