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Anti-MERS Reference Antibody (3A1)

Catalog # APR11158

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	K9N5Q8
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Calculated MW	149411

Additional Information

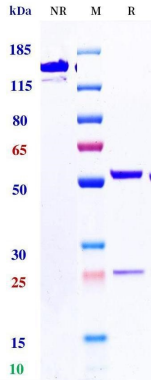
Target/Specificity	MERS
Expression system	CHO

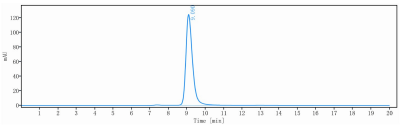
Protein Information

Name	S {ECO:0000255|HAMAP-Rule:MF_04099}
Function	[Spike protein S1]: Attaches the virion to the cell membrane by interacting with host receptor, initiating the infection (By similarity). Interacts with host DPP4 to mediate virla entry.
Cellular Location	Virion membrane {ECO:0000255|HAMAP- Rule:MF_04099}; Single-pass type I membrane protein {ECO:0000255|HAMAP- Rule:MF_04099}. Host endoplasmic reticulum-Golgi intermediate compartment membrane {ECO:0000255|HAMAP-Rule:MF_04099}; Single-pass type I membrane protein {ECO:0000255|HAMAP-Rule:MF_04099}. Host cell membrane {ECO:0000255|HAMAP-Rule:MF_04099}; Single-pass type I membrane protein {ECO:0000255|HAMAP-Rule:MF_04099}. Note=Accumulates in the endoplasmic reticulum-Golgi intermediate compartment, where it participates in virus particle assembly. Some S oligomers are transported to the host plasma membrane, where they may mediate cell- cell fusion. {ECO:0000255|HAMAP-Rule:MF_04099}

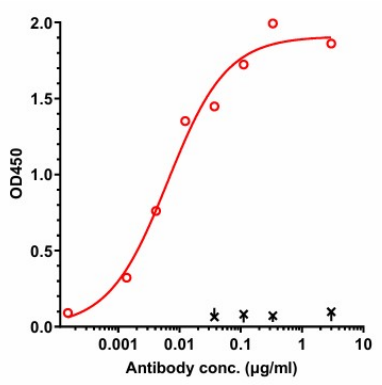
Images

Anti-MERS Reference Antibody (3A1) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.





The purity of Anti-MERS Reference Antibody (3A1) is 100%, determined by SEC-HPLC.



Immobilized MERS-CoV Spike/S1-his at 2 ug/mL can bind Anti-MERS Reference Antibody (3A1), EC50= 0.006415 μg/mL.

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