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Product Datasheet

Biotinylated 2019-nCoV S Protein RBD-SD1 (C-Avi-6His) EBT-EPT061

Artikelname	Biotinylated 2019-nCoV S Protein RBD-SD1 (C-Avi-6His)
Artikelnummer	EBT-EPT061
Hersteller Artikelnummer	EPT061
Alternativnummer	EBT-EPT061-20
Hersteller	ELK Biotechnology
Kategorie	Proteine/Peptide
Produktbeschreibung	Biotinylated SARS-CoV-2 S Protein RBD-SD1 is produced by our Mammalian expression system and the target gene encoding Arg319-Ser591 is expressed with a Avi, 6His tag at the C-terminus....
Molekulargewicht	Molecular weight: 33.2kDa. Apparent molecular weight: 38-45kDa, reducing conditions
UniProt	QHD43416.1
Reinheit	Greater than 95% as determined by reducing SDS-PAGE.

Anwendungsbeschreibung	Biological activity: Freeze-thaw stability is tested by repeated freeze-thaw cycles. The result showed that product bioactivity is no significant differences after freeze-thawing 14 times. Background: The spike (S) glycoprotein of coronaviruses is known to be essential in the binding of the virus to the host cell at the advent of the infection process. Most notable is severe acute respiratory syndrome (SARS). The severe acute respiratory syndrome-coronavirus (SARS-CoV) spike (S) glycoprotein alone can mediate the membrane fusion required for virus entry and cell fusion. It is also a major immunogen and a target for entry inhibitors. Its been reported that 2019-nCoV can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor. The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion.The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity