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Product Datasheet

Recombinant 2019-nCoV S protein RBD(C-mFc)
EBT-EPT092

Artikelname	Recombinant 2019-nCoV S protein RBD(C-mFc)
Artikelnummer	EBT-EPT092
Hersteller Artikelnummer	EPT092
Alternativnummer	EBT-EPT092-50
Hersteller	ELK Biotechnology
Kategorie	Proteine/Peptide
Produktbeschreibung	Recombinant SARS-CoV-2 S protein RBD Protein is produced by our Mammalian expression system and the target gene encoding Asn331-Val524 is expressed with a mFc tag at the C-terminus....
Molekulargewicht	Molecular weight: 47.9kDa. Apparent molecular weight: 50-60kDa, reducing conditions
UniProt	QHD43416.1
Reinheit	Greater than 95% as determined by reducing SDS-PAGE.

Anwendungsbeschreibung	Biological activity: Immobilized Human ACE-2-His(CatC419)at 10μg/ml (100μl/well) can bind 2019-nCoV S Protein RBD-mFc(CatDRA32). The ED50 of 2019-nCoV S Protein RBD-mFc(CatDRA32) is 19.90 ng/ml. 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