Datasheet for ABIN7121335

SARS-CoV-2 Spike Protein (B.1.621 - mu, RBD) (His tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike
Protein Characteristics:	B.1.621 - mu, RBD
Origin:	SARS Coronavirus-2 (SARS-CoV-2), SARS CoV-2 Mu
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SARS-CoV-2 Spike protein is labelled with His tag.

Product Details

Purpose:	SARS-CoV-2 Spike RBD (R346K, E484K, N501Y), His Tag (MALS verified)
Sequence:	Arg 319 - Lys 537
Specificity:	SARS-CoV-2 Spike RBD (R346K, E484K, N501Y)
Characteristics:	SARS-CoV-2 Spike RBD, His Tag (SPD-C5221) is expressed from human 293 cells (HEK293). It contains AA Arg 319 - Lys 537 (Accession # QHD43416.1 (R346K, E484K, N501Y). The mutations R346K, E484K, N501Y were identified in the SARS-CoV-2 Mu variant (Pango lineage: B.1.621).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	MALS verified

Target Details

Target:	SARS-CoV-2 Spike
Abstract:	SARS-CoV-2 Spike Products
Background:	Synonyms: Spike,S protein RBD,Spike glycoprotein Receptor-binding domain,S glycoprotein RBD,Spike protein RBD, Description: It's been reported that Coronavirus 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.
Molecular Weight:	26.5 kDa

Application Details

Application Notes:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 26.5 kDa. The protein migrates as 32-35 kDa under reducing (R) condition due to glycosylation.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C
Storage Comment:	-20°C

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