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Datasheet for ABIN6971311

SARS-CoV-2 Spike Protein (B.1.351 - beta, RBD) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike
Protein Characteristics:	B.1.351 - beta, RBD
Origin:	SARS Coronavirus-2 (SARS-CoV-2), SARS CoV-2 Beta
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SARS-CoV-2 Spike protein is labelled with His tag.
Application:	ELISA, Ligand Binding Assay (LBA)

Product Details

Purpose:	That is the full Receptor-Binding Domain of the SPIKE surface protein SARS-CoV-2 of the mutant strain B.1.351, also commonly known as the "SA / South Africa mutant".
Specificity:	SARS-CoV-2 Spike protein RBD domain AA 319 - 537, K417N, E484K, N501Y, C-terminal His-tag
Characteristics:	"SARS CoV-2 Spike B.1.351 Mutation RBD domain" All viruses undergo fast mutations and adept quickly to the countermeasures that the immune systems creates against them. SARS-CoV-2 of the COVID-19 pandemic is no exception here. During the pandemic multiple mutant strains arose. To help the science combat these mutants we offer the RB-Domains of these mutant SPIKE proteins.
Purification:	Affinity chromatography
Purity:	> 98 % as determined by SDS-PAGE

Target Details

Target:	SARS-CoV-2 Spike
Alternative Name:	SARS2 Spike glycoprotein (SARS-CoV-2 Spike Products)
Target Type:	Viral Protein
Molecular Weight:	25491 Da
UniProt:	P0DTC2

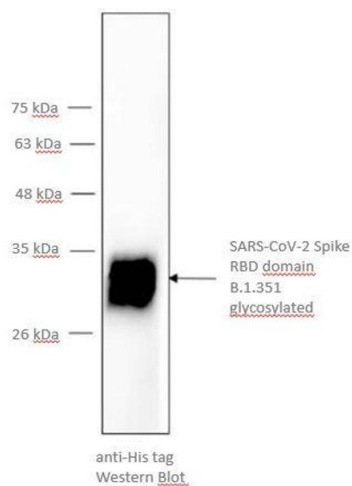
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

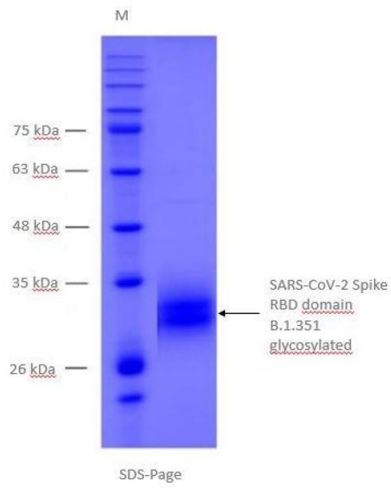
Format:	Liquid
Buffer:	20 mM Hepes pH 7.5, 150 mM NaCl
Storage:	-80 °C
Storage Comment:	Store at -80°C. Avoid freeze-thaw cycles

Images



Western Blotting

Image 1. Size, purity and oligomerization state of CoV-2 spike protein RBD domain assessed by Western Blot using an anti-His antibody.



SDS-PAGE

Image 2. Size, purity and oligomerization state of CoV-2 spike protein RBD domain assessed by SDS-PAGE.