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SARS-CoV-2 Spike S2 Protein (B.1.351 - beta) (His tag)





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Quantity:	100 μg
Target:	SARS-CoV-2 Spike S2
Protein Characteristics:	B.1.351 - beta
Origin:	SARS Coronavirus-2 (SARS-CoV-2), SARS CoV-2 Beta
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SARS-CoV-2 Spike S2 protein is labelled with His tag.
Product Details	

Purpose:	SARS-CoV-2 S2 protein (A701V), His Tag
Sequence:	AA 686-1213
Characteristics:	SARS-CoV-2 S2 protein (A701V), His Tag is expressed from human 293 cells (HEK293). It
	contains AA Ser 686 - Pro 1213 (Accession # QHD43416.1). The recombinant protein is
	expressed from human 293 cells (HEK293) with T4 fibritin trimerization motif and a
	polyhistidine tag at the C-terminus. Proline substitutions (F817P/ A892P/ A899P/ A942P/
	K986P/ V987P) are introduced to stabilize the trimeric prefusion state of SARS-CoV-2 S protein.
	The A701V mutation was identified in the SARS-CoV-2 variant (known as B.1.351 or
	20C/501Y.V2) which emerged in South Africa.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per ug by the LAL method.

Target Details

Target:	SARS-CoV-2 Spike S2	
Alternative Name:	SARS-CoV-2 S2 protein (SARS-CoV-2 Spike S2 Products)	
Target Type:	Viral Protein	
Background:	The ongoing SARS-COV-2 pandemics has sickened 3.7 million people around the world, claiming over 1,000,000 lives. To deal with this global public health crisis, unprecedented efforts are being made to study the virus, SARS-CoV-2. At present, there are 193 new crown vaccine projects registered with the World Health Organization are being developed. To support these studies, ACRO has developed Mouse Anti-SARS-CoV-2 antibody IgG Serologic Assay kit.	
Molecular Weight:	59.8 kDa	

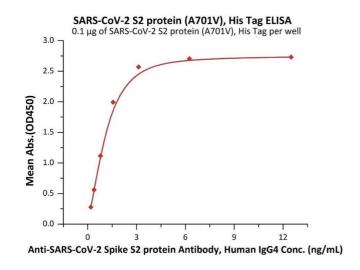
Application Details

Restrictions: For Research Use only

Handling

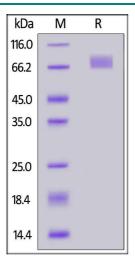
Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C

Images



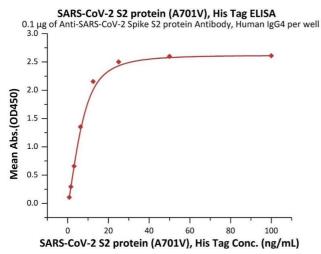
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Image 1. Immobilized SARS-CoV-2 S2 protein (A701V), His Tag (ABIN6992376) at 1 μ g/mL (100 μ L/well) can bind A-CoV-2 Spike S2 protein Antibody, Human IgG4 (S2N-S86) with a linear range of 0.2-2 ng/mL (QC tested).



SDS-PAGE

Image 2. SARS-CoV-2 S2 protein (A701V), His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 %.



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Image 3. Immobilized A-CoV-2 Spike S2 protein Antibody, Human IgG4 (S2N-S86) at 1 μ g/mL (100 μ L/well) can bind SARS-CoV-2 S2 protein (A701V), His Tag (ABIN6992376) with a linear range of 0.8-13 ng/mL (Routinely tested).