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Datasheet for ABIN6961058

anti-SARS-CoV-2 Spike antibody (RBD)

1 Image

Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike
Binding Specificity:	RBD
Reactivity:	SARS Coronavirus-2 (SARS-CoV-2)
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This SARS-CoV-2 Spike antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant SARS-CoV-2 (2019-nCoV) S protein RBD (Arg319-Phe541) (ABIN6961175) produced by using human HEK293 cells
Clone:	DM26
Isotype:	IgG
Purification:	Purified from cell culture supernatant by affinity chromatography

Target Details

Target:	SARS-CoV-2 Spike
Abstract:	SARS-CoV-2 Spike Products
Target Type:	Viral Protein

Target Details

Background: SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as Covid19 (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. The spike protein is a type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which accounts for recognizing the cell surface receptor, ACE2. S2 contains basic elements needed for the membrane fusion. Recent publications indicate that S1-RBD domain can induce virus neutralizing-antibody and T cell response.

Molecular Weight: 141 kDa

Gene ID: 43740568

UniProt: [P0DTC2](#)

Application Details

Application Notes: Flow Cyt 1/100

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: 50 % Glycerol, PBS, pH 7.4, 0.1 % BSA, 0.1 % Procline 300

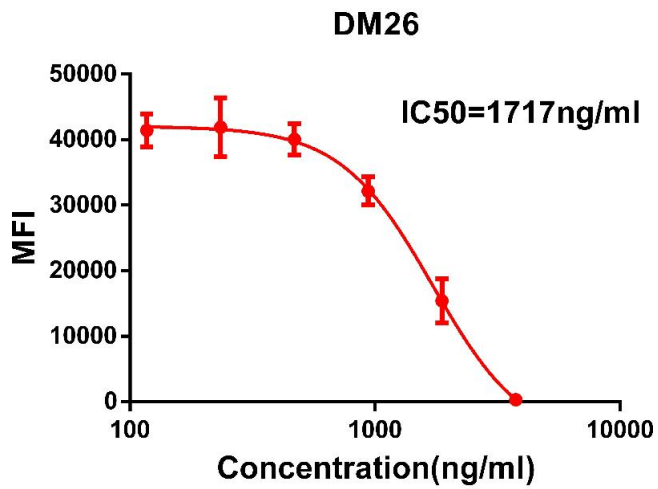
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



Flow Cytometry

Image 1. Competition flow cytometry assay demonstrating Rabbit anti-RBD monoclonal antibody (clone: DM26) blockade of SARS-CoV-2 (COVID-19) S protein RBD ($1 \mu\text{g/mL}$, ABIN6961175) binding to Expi 293 cell line transfected with human ACE2. $\text{IC}_{50}=1717 \text{ ng/mL}$. The Y-axis represents the geometric mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.