Datasheet for ABIN7271729

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

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Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike
Binding Specificity:	RBD
Reactivity:	SARS Coronavirus-2 (SARS-CoV-2), SARS CoV-2 Omicron
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This SARS-CoV-2 Spike antibody is un-conjugated
Application:	Please inquire

Product Details

Purpose:	Anti-SARS-CoV-2 Spike RBD Antibody, Mouse IgG1 (AS113) (Omicron Specific)
Immunogen:	The mouse monoclonal antibody is produced from a hybridoma resulting from fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse immunized with Spike RBD. The antibody is specific against the Omicron (B.1.1.529/BA.1) variant of SARS-CoV-2, and has no binding with the spike RBD of the wild type virus and other viral lineages.
Clone:	AS113
Isotype:	IgG1
Specificity:	This product is a specific antibody against Spike RBD of Omicron (B.1.1.529/BA.1) variant of SARS-CoV-2. Cross-reactivity with Spike protein RBD domain of other coronaviruses, including SARS-CoV, MERS-CoV, HCoV-229E, HCoV-NL63, HCoV-OC43 and HCoV-HKU1, has not been

Product Details

	tested.
Characteristics:	Recombinant Antibodies produced in HEK293. The mouse monoclonal antibody is produced from a hybridoma resulting from fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse immunized with Spike RBD. The antibody is specific against the Omicron (B.1.1.529/BA.1) variant of SARS-CoV-2, and has no binding with the spike RBD of the wild type virus and other viral lineages.

Target Details

Target:	SARS-CoV-2 Spike
Abstract:	SARS-CoV-2 Spike Products
Background:	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.

Application Details

Restrictions:	For Research Use only

Handling

Format:	Powder
Storage:	-20 °C
Storage Comment:	-20°C