Datasheet for ABIN7271751

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

Go to Product page

Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike
Binding Specificity:	RBD
Reactivity:	SARS Coronavirus-2 (SARS-CoV-2), SARS CoV-2 Beta, SARS CoV-2 Gamma
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 (AM334) (Beta & Gamma Specific) (MALS verified)
Immunogen:	Anti-SARS-CoV-2 Spike RBD Antibody, Mouse IgG1 (Beta & Gamma Specific) (ABIN7271751 and ABIN7273339) is a chimeric monoclonal antibody recombinantly expressed from HEK293 cells, which combines the variable region of a mouse monoclonal antibody with human IgG1 constant domain. The mouse monoclonal antibody was obtained from a mouse immunized with recombinant SARS-CoV-2 Spike RBD protein. **The antibody is specific against the Beta (B.1.351) and Gamma (P.1) variant of SARS-CoV-2, and has no binding with the spike RBD of the wild type virus, the Alpha (B.1.1.7) variant, the Delta (B.1.617.2) variant and the Omicron (B.1.1.529, BA.2) variant.**

Product Details

Clone:	AM334
Isotype:	IgG1
Specificity:	This product is a specific antibody against SARS-CoV-2 Spike protein RBD domain. No cross-reactivity is detected with Spike protein RBD domain of other coronaviruses, including SARS-CoV, MERS-CoV, HCoV-229E, HCoV-NL63, HCoV-OC43 and HCoV-HKU1.
Characteristics:	Recombinant Antibodies produced in HEK293. Anti-SARS-CoV-2 Spike RBD Antibody, Mouse IgG1 (Beta & Gamma Specific) is a chimeric monoclonal antibody recombinantly expressed from HEK293 cells, which combines the variable region of a mouse monoclonal antibody with human IgG1 constant domain. The mouse monoclonal antibody was obtained from a mouse immunized with recombinant SARS-CoV-2 Spike RBD protein. The antibody is specific against the Beta (B.1.351) and Gamma (P.1) variant of SARS-CoV-2, and has no binding with the spike RBD of the wild type virus, the Alpha (B.1.1.7) variant, the Delta (B.1.617.2) variant and the Omicron (B.1.1.529, BA.2) variant.
Grade:	MALS verified

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:	Liquid
Storage:	-80 °C
Storage Comment:	-70°C