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Datasheet for ABIN7271751

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

### 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

### 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. <b>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.</b>
Clone:	AM334
Isotype:	IgG1

## Product Details

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**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.

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**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.

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**Grade:** MALS verified

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## Target Details

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**Target:** SARS-CoV-2 Spike

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**Abstract:** [SARS-CoV-2 Spike Products](#)

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**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.

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## Application Details

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**Restrictions:** For Research Use only

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## Handling

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**Format:** Liquid

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**Storage:** -80 °C

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**Storage Comment:** -70°C

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