

Datasheet for ABIN7271729

Recombinant anti-SARS-CoV-2 Spike antibody (RBD)[Go to Product page](#)

Overview

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| 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 |

Product Details

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| 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 tested. |
| Characteristics: | Recombinant Antibodies produced in HEK293. The mouse monoclonal antibody is produced |

Product Details

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

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