

Datasheet for ABIN7540496

## anti-SARS-CoV-2 Spike antibody (B.1.351 – beta)



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### Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike
Binding Specificity:	B.1.351 – beta
Reactivity:	SARS Coronavirus-2 (SARS-CoV-2), SARS CoV-2 Beta
Host:	Chicken, Mouse
Clonality:	Monoclonal
Conjugate:	This SARS-CoV-2 Spike antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

### Product Details

Purpose:	SARS-CoV-2 Beta Variant Spike Protein Antibody
Immunogen:	This protein A purified antibody was produced by repeated immunizations in mice with a synthetic peptide from an internal region of the SARS-CoV-2 Spike protein.
Clone:	25D10-E3-F9
Isotype:	IgG1 kappa
Cross-Reactivity (Details):	SARS-CoV-2 Beta Variant Spike Protein Antibody is directed against SARS Coronavirus 2 Spike (S2) Beta B.1.
Sterility:	Sterile filtered

## Target Details

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Target:	SARS-CoV-2 Spike
Alternative Name:	SARS-CoV-2 Spike Protein ( <a href="#">SARS-CoV-2 Spike Products</a> )
Background:	<p>Mouse anti-SARS CoV 2 Spike Protein (Beta Variant) Antibody, Spike glycoprotein antibody, SARS CoV2 antibody, 2019-nCoV, COVID-19, S glycoprotein, Severe acute respiratory syndrome antibody, Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2), SARS-CoV-2 (Severe acute respiratory syndrome coronavirus 2) the virus that causes the disease COVID-19, is related to SARS-CoV, MERS-CoV, and other betacoronaviruses (HKU1, NL63, OC43 and 229E). SARS-CoV-2 is an enveloped positive strand RNA virus that consists of several structural proteins including spike (S) protein, envelope (E) protein, membrane (M) protein and nucleocapsid (N) protein, and other non-structural proteins (NSPs). Spike proteins located on the surface of the virus, have a high affinity for binding to human receptor ACE2 (angiotensin-converting enzyme 2) within respiratory epithelial which serves as an entry mechanism for infection. As such, the S protein may be vital to blocking viral infection and vaccine development. Anti-SARS-CoV-2 Beta Variant Spike Protein Antibody is useful for researchers interested in diagnostics, vaccines, and viral research.</p>
UniProt:	<a href="#">P0DTC2</a>

## Application Details

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Application Notes:	ELISA_Dilution: User Optimized Western_Blot_Dilution: User Optimized
Comment:	Anti-SARS-CoV-2 Beta Variant Spike Protein Antibody has been tested for use in ELISA and shows reactivity to SARS Coronavirus 2 Spike (S2) Beta Variant Protein. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

## Handling

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should be handled by trained staff only.

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Storage: 4 °C,-20 °C

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Storage Comment: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

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Expiry Date: 12 months