

SARS-CoV-2 Spike Glycoprotein Antibody

Catalogue No.: abx243125

Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2/COVID-19) Spike Glycoprotein Antibody is a chimaeric recombinant antibody expressed in HEK293 cells for the detection of SARS-CoV-2/COVID-19 S Protein. This antibody contains Mouse variable regions and Human IgG1 Kappa constant regions.

The SARS-CoV-2 Spike Protein (S protein) is a viral protein that allows the entry of SARS-CoV-2 into human cells. The protein forms trimers on the viral capsid and binds to human Angiotensin Converting Enzyme 2 (ACE2) located on the cell surface. The protein has a cleavage site between the S1 and S2 subunits that is targeted by the human enzyme Furin, and it may also cause the development of a syncytium (cell fusion). Antibodies to S protein can prevent viral entry as well as target the virus for further immune action.

Target:	Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Spike Glycoprotein
Clonality:	Monoclonal
Reactivity:	Virus
Origin:	Human
Expression:	Recombinant
Tested Applications:	ELISA
Host:	Human, Mouse
Recommended dilutions:	ELISA: 1/10000 - 1/50000, LF (GICA): 1/500 - 1/25000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant SARS-CoV-2 S protein (16-685 AA) expressed in Mammalian cells
Isotype:	IgG, Kappa
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P0DTC2 (UniProt , ExPASy)
GenelD:	43740568

Datasheet

Version: 2.0.0

Revision date: 29 May 2024



Buffer: 0.01 M PBS, pH 7.4, 0.03% Proclin-300 and 50% glycerol.

Note: This product is for research use only.

For Reference Only