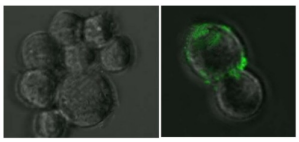
SARS-CoV-2 Spike Protein Antibody

Catalogue No.:abx229484



IF analysis of 293T cells (left) and 293T cells overexpressing SARS-CoV-2 Spike Protein (right), using SARS-CoV-2 Spike Protein Antibody (1/50 dilution).

Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2/COVID-19) Spike Protein Antibody is a chimaeric recombinant Monoclonal Antibody against SARS-CoV-2/COVID-19 S Protein, containing Mouse variable region and Human IgG1 constant region.

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) Trimeric Spike 1 Protein
Clonality:	Monoclonal
Reactivity:	Virus
Origin:	Human
Expression:	Recombinant
Tested Applications:	ELISA, IF/ICC
Host:	Human, Mouse
Recommended dilutions:	ELISA: 1/5000 - 1/10000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant SARS-CoV-2 Spike RBD Protein
Isotype:	IgG_1
Form:	Liquid

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Purification:	0.2 µm filtered.
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Buffer:	PBS.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.
Directions for use:	Centrifuge before opening to ensure complete recovery of vial contents.

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