DATASHEET

Anti-SARS-CoV-2 Spike Protein Mouse Monoclonal Antibody (G5)

CAT. NO. AXA0001

KEY FEATURES

Target	SARS-CoV-2 Spike Protein	Source / Host	Mouse
Reactivity	SARS-CoV-2 Spike Protein	Clonality	Monoclonal
Applications	WB,IF/ICC,ELISA	Storage	-20.0°C

BACKGROUND

The spike protein (S protein) of SARS-CoV-2 is a key structural protein on the surface of the novel coronavirus, responsible for recognizing the host cell receptor ACE2 and mediating the membrane fusion process. The S protein exists as a trimer, with each monomer containing approximately 1300 amino acids and consisting of two subunits, S1 and S2. The receptor-binding domain (RBD) of the S1 subunit is responsible for binding to ACE2, while the S2 subunit promotes membrane fusion through conformational changes.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

Application	Dilution Ratio
WB	1:500-1:1000
IF/ICC	1:500-1:1000
ELISA	1:2000-1:10000

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Mouse Monoclonal antibody to SARS-CoV-2 Spike Protein
Antibody Type	Primary antibody
Immunogen	SARS-CoV-2 S Protein
Form/Buffer	PBS, 20% Glycerol; preservative: 0.05% Sodium Azide
Alternative Names	SARS-CoV-2 S, COVID-19 spike protein, 2019-nCoV Spike, SARS-CoV-2 S glycoprotein, Spike RBD/S1/S2

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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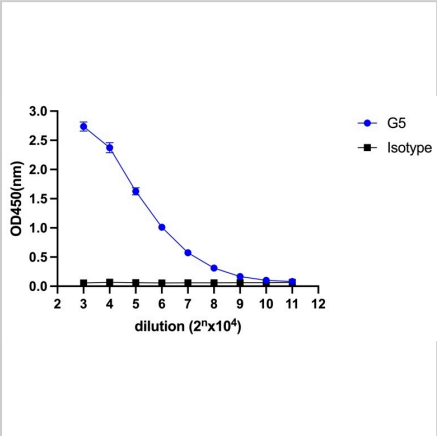
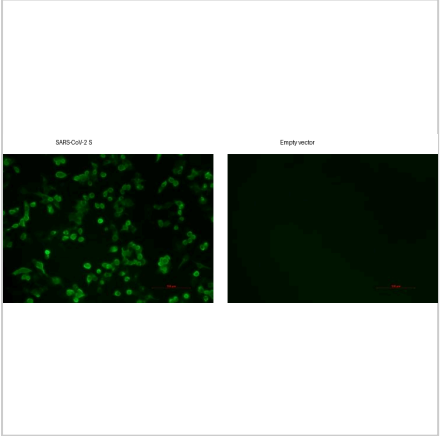
DATA



ELISA results indicate that this antibody can effectively recognize the S2 antigen polypeptide.

WB results demonstrate that this antibody can effectively recognize the SARS - CoV - 2 S protein expressed in 293T cells.



IFA results demonstrate that this antibody can effectively recognize the SARS - CoV - 2 S protein expressed in 293T cells.

STORAGE

Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com