


Product datasheet

Anti-SARS-CoV-2 Spike Glycoprotein RBD antibody [2G1] ab277624

[2 Images](#)

Overview

Product name	Anti-SARS-CoV-2 Spike Glycoprotein RBD antibody [2G1]
Description	Mouse monoclonal [2G1] to SARS-CoV-2 Spike Glycoprotein RBD
Host species	Mouse
Tested applications	Suitable for: WB, ICC
Species reactivity	Reacts with: Recombinant fragment, SARS-CoV-2 Predicted to work with: Human coronavirus 
Immunogen	Recombinant fragment corresponding to Human coronavirus SARS-CoV-2 Spike Glycoprotein RBD. Database link: P0DTC2
Positive control	WB: HEK-293 cells transfected with the SARS-CoV2 binding domain. ICC: HEK-293 cells transfected with S-protein segment.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.03% Sodium azide Constituents: 49.07% PBS, 50% Glycerol (glycerin, glycerine)
Purity	Protein G purified
Purification notes	Purified from Tissue Culture supernatant.
Clonality	Monoclonal
Clone number	2G1
Isotype	IgG1

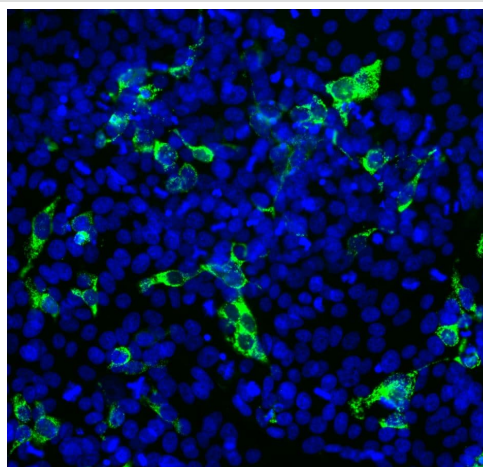
Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab277624 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

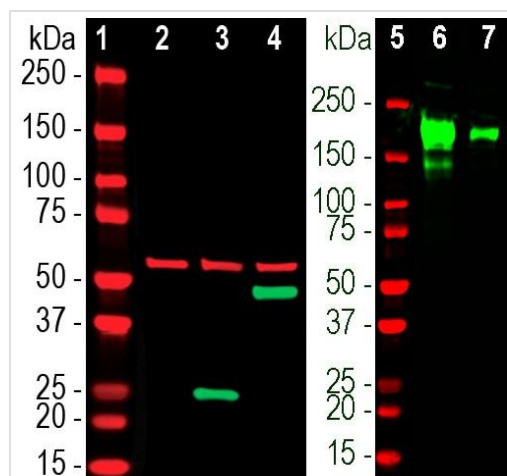
Application	Abreviews	Notes
WB		1/1000 - 1/3000.
ICC		1/1000.

Images



Immunocytochemistry - Anti-Spike glycoprotein antibody [2G1] (ab277624)

HEK-293 cells transfected with the DNA encoding the S-protein segment stained for spike glycoprotein using ab277624 (green) at 1/1000 dilution in Immunocytochemistry. The nuclei of transfected and untransfected cells are shown in blue with DAPI DNA stain.



Western blot - Anti-Spike glycoprotein antibody [2G1] (ab277624)

Lanes 2-4 & 6-7 : Anti-SARS-CoV-2 Spike Glycoprotein RBD antibody [2G1] (ab277624) at 1/3000 dilution

Lanes 1 & 5 : Molecular weight ladder

Lane 2 : crude homogenate of untransfected control HEK-293 cells

Lane 3 : homogenate of HEK-293 cells expressing SARS-CoV2-bd

Lane 4 : homogenate of HEK-293 cells expressing GFP-SARS-CoV2-bd fusion

Lane 6 : full length recombinant SARS-CoV2 S-protein expressed in HEK293 at 1 µg

Lane 7 : full length recombinant SARS-CoV2 S-protein expressed in HEK293 at 0.1 µg

Additional bands at: 60 kDa (possible Loading Control)

Western blot analysis of cells transfected with DNA encoding the S-

protein ACE2 binding site in PROT-SARS-CoV2-bd which was inserted into pCI-Neo-Mod or pCI-Neo-GFP eukaryotic expression vectors, which express either the insert only or the insert fused with GFP using ab277624 (green) at 1/3000 dilution. The blot was also stained with rabbit polyclonal control antibody to HSP60 (red) at 1/5000 dilution.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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