



Anti-SARS-CoV Membrane (M) Protein (RABBIT) Antibody - 100-401-A55

Code: 100-401-A55

Size: 100 µL

Product Description: Anti-SARS-CoV Membrane (M) Protein (RABBIT) Antibody - 100-401-A55

Concentration: 85 mg/mL by Refractometry

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Rabbit
Buffer	None
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	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.
Synonyms	N structural protein antibody, NC antibody, Nucleocapsid protein antibody, Nucleoprotein antibody, SARS coronavirus N protein antibody, SARS CoV antibody, SARSCoV antibody, Severe acute respiratory syndrome antibody
Application Note	This antibody has been tested for use in immunofluorescence microscopy, immunoprecipitation, immunoelectron microscopy and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 25 kDa in size corresponding to SARS-CoV membrane protein by western blotting in the appropriate cell lysate or extract. For immunofluorescence microscopy, Vero-E6 cells, grown on glass slides, were infected with SARS-CoV-Fr1 strain for 1 h at 37°C. Infection occurred in PBS/DEAE/2%FCS followed by exchange to EMEM/25mMHEPES/2%FCS. Cells were fixed with PBS/3%PFA. After washing fixed cells, antibody incubation was performed in PBS/5%FCS for 30 min.
Background	The coronavirus membrane protein is a major structural component of the viral envelope and a determinant of virus assembly.
Purity And Specificity	This antibody is directed against SARS-Coronavirus membrane protein. The product is neat antiserum. Cross reactivity with homologues from other sources has not been determined.
Assay Dilutions	IMMUNOELECTRON MICROSCOPY 1:200
WESTERN BLOT	1:1,000
IFMICROSCOPY	1:1,000
OTHER ASSAYS	IMMUNOELECTRON MICROSCOPY 1:200
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	This antibody was prepared from whole rabbit serum produced by repeated immunizations with a BSA-coupled synthetic peptide corresponding to the C-terminus (amino acid residues 204-221) of the SARS Coronavirus Membrane protein.
General Reference	<p>Snijder, E. J., P. J. Bredenbeek, J. C. Dobbe, V. Thiel, J. Ziebuhr, L. L. M. Poon, Y. Guan, M. Rozanov, W. J. M. Spaan, and A. E. Gorbalenya. 2003. Unique and conserved features of genome and proteome of SARS-coronavirus, an early split-off from the coronavirus group 2 lineage. J. Mol. Bio. 331:991-1004.</p> <p>Snijder, E.J., van der Meer, Y., Zevenhoven-Dobbe, J.C., Onderwater, J.J.M., van der Meulen, J., Koerten, H.K., and Mommaas, A.M. 2006. Ultrastructure and origin of membrane vesicles associated with the SARS-coronavirus replication complex. Manuscript in preparation.</p>

Related Products

009-001-310	IL-6 Human Recombinant Protein - 009-001-310
009-001-B92	IL-3 Recombinant Human Protein - 009-001-B92
009-001-B93	IL-4 Human Recombinant Protein - 009-001-B93
610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302

Related Links

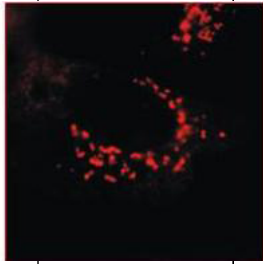
NCBI - AAP13444 <http://www.ncbi.nlm.nih.gov/protein/AAP13444>

UniProt - P0C6U8 <http://www.uniprot.org/uniprot/P0C6U8>

Gene ID - 8677327 <http://www.ncbi.nlm.nih.gov/gene/8677327>

Images

- 1 Immunofluorescence microscopy using Rockland's anti-SARS-CoV Membrane protein antibody, 6-h post infection Vero-E6 cells. For detection Cy3 conjugated Goat-anti-Rabbit IgG MX (611-104-122) was used. Personal Communication, Eric Snijder, Leiden University Medical Center, Leiden, Netherlands.



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.