

Datasheet for ABIN6952664

Recombinant anti-SARS-CoV-2 Nucleocapsid antibody (AA 1-419) (Fc Tag)



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2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	SARS-CoV-2 Nucleocapsid (SARS-CoV-2 N)
Binding Specificity:	AA 1-419
Reactivity:	SARS Coronavirus-2 (SARS-CoV-2)
Host:	HEK-293 Cells
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This SARS-CoV-2 Nucleocapsid antibody is conjugated to Fc Tag
Application:	ELISA, Western Blotting (WB), Colloidal Gold Immunochromatography Assay (GICA)

Product Details

Immunogen:	Recombinant Human Novel Coronavirus Nucleoprotein (N) (1-419aa)
Clone:	1A6
Isotype:	IgG1
Fragment:	scFv fragment
Specificity:	Mouse scFv fusion with human IgG1 Fc
Characteristics:	Recombinant anti-SARS-CoV-2 Nucleoprotein Mouse ScFv is expressed from 293 cells (HEK293) with a human IgG1 Fc tag on C-terminal.
Purification:	Affinity-chromatography

Target Details

Target:	SARS-CoV-2 Nucleocapsid (SARS-CoV-2 N)
Alternative Name:	SARS-CoV-2 Nucleocapsid Protein (SARS-CoV-2 N Products)
Target Type:	Viral Protein
UniProt:	P0DTC9

Application Details

Application Notes:	ELISA 1:10000-1:50000 WB 1:500-1:5000 GICA 1:1000-1:50000
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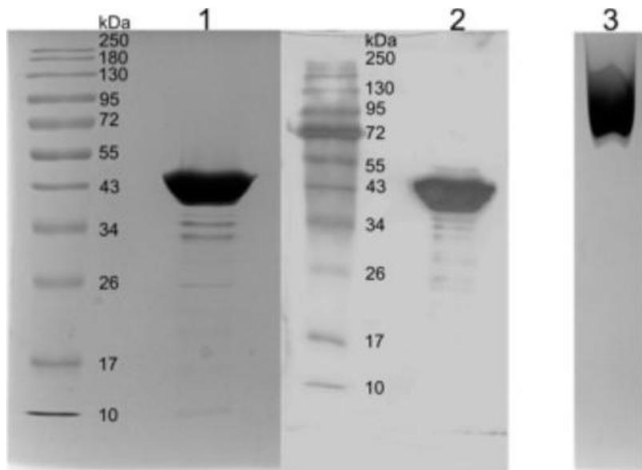
Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	50 % Glycerol, 0.01M PBS, pH 7.4, 0.03 % Proclin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

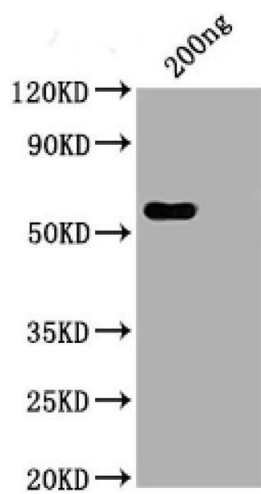
Publications

Product cited in:	Rabdano, Ruzanova, Pletyukhina, Saveliev, Kryshen, Katelnikova, Beltyukov, Fakhretdinova, Safi, Rudakov, Arakelov, Andreev, Kofiadi, Khaitov, Valenta, Kryuchko, Berzin, Belozerova, Evtushenko, Truhin et al.: "Immunogenicity and In Vivo Protective Effects of Recombinant Nucleocapsid-Based SARS-CoV-2 Vaccine Convacell®. ..." in: Vaccines , Vol. 11, Issue 4, (2023) (PubMed).
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Western Blotting

Image 1. Biochemical characterization of recombinant SARS-CoV-2 N protein. SDS-PAGE and Western blotting confirm the molecular weight and recognition by N-specific antibodies. Native PAGE shows homogeneous distribution of recombinant N as one species. Lanes: 1—SDS-PAGE of recombinant N protein solution; 2—Western blot of recombinant N protein solution; 3—native PAGE of recombinant N-protein solution. Source: PMID37112786



Western Blotting

Image 2. WB of recombinant SARS-CoV-2 Nucleocapsid antibody (ABIN6952664)