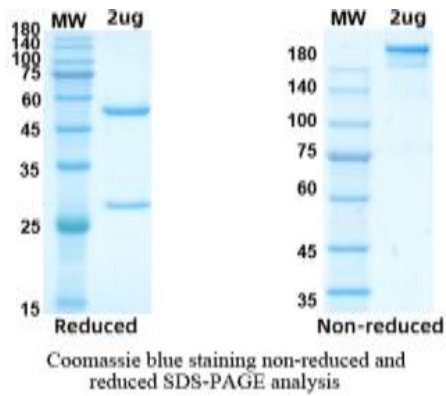


N

Human Anti-SARS-CoV-2 Nucleocapsid (Clone AbD207) mAb

Catalog No.	CPC517A CPC517B	Quantity:	50 µg 100 µg
Alternate Names:	Nucleoprotein, Nucleocapsid protein, NC, Protein N		
Description:	<p>Recombinant Human anti-SARS-CoV-2 Nucleocapsid Protein, Clone AbD207, is expressed in XtenCHO.</p> <p>Coronaviruses are enveloped viruses with a positive-sense RNA genome and with a nucleocapsid of helical symmetry. Coronavirus nucleoproteins localize to the cytoplasm and the nucleolus, a subnuclear structure, in both virus-infected primary cells and in cells transfected with plasmids that express N protein. Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. During virion assembly, N protein binds to viral RNA and leads to formation of the helical nucleocapsid. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating cell signaling pathways. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.</p>		
UniProt ID:	P0DTC9		
Immunogen:	Recombinant SARS-CoV-2 Nucleocapsid protein		
Specificity:	Recognizes SARS-CoV-2 Nucleocapsid protein		
Source:	XtenCHO		
Isotype:	Human IgG		
Clone:	AbD207		
Concentration:	1.0 mg/ml		
Formulation:	Sterile-filtered PBS, pH 7.5 preservative free.		
Purification:	Protein A affinity chromatography		
Applications:	This antibody may be used as the detecting Ab when paired with CPC529 as the capture antibody in a sandwich ELISA.		
Application Notes:	ELISA: 1:5,000 - 1:10,000 Western blot: suggested dilution 1:1,000 - 1:2,000		
Storage & Stability:	Stable at 2-8°C for 1 week or for up to 1 year at -20°C to -80°C. It is recommended to prepare working aliquots of undiluted product and store -20°C to -80°C.		





NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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