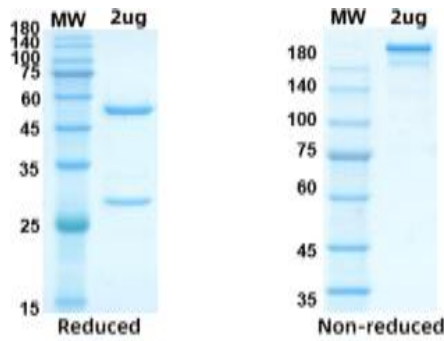


## N

### Human Anti-SARS-CoV-2 Nucleocapsid mAb

<b>Catalog No.</b>	CPC518A CPC518B	<b>Quantity:</b>	50 µg 100 µg
<b>Alternate Names:</b>	Nucleoprotein, Nucleocapsid protein, NC, Protein N		
<b>Description:</b>	<p>Recombinant Human anti-SARS-CoV-2 Nucleocapsid Protein is expressed in XtenCHO. 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>		
<b>UniProt ID:</b>	P0DTC9		
<b>Immunogen:</b>	Recombinant SARS-CoV-2 Nucleocapsid protein		
<b>Specificity:</b>	Recognizes SARS-CoV-2 Nucleocapsid protein		
<b>Source:</b>	XtenCHO		
<b>Isotype:</b>	Human IgG		
<b>Origin:</b>	Recombinant antibody chosen from a phage display library		
<b>Concentration:</b>	1.0 mg/ml		
<b>Formulation:</b>	Sterile-filtered PBS, pH 7.5 preservative free.		
<b>Purification:</b>	Protein A affinity chromatography		
<b>Applications:</b>	ELISA: 1:5,000 - 1:10,000 Western blot: suggested dilution 1:1,000 - 1:2,000		
<b>Storage &amp; Stability:</b>	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.		





Coomassie blue staining non-reduced and reduced SDS-PAGE analysis

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