

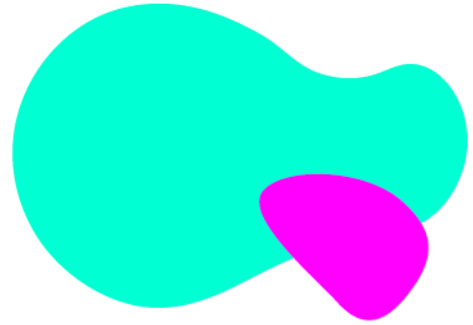
Datasheet

OVERVIEW AND PROPERTIES

Product Name	PtX™ Mouse Anti-SARS CoV-2 Nucleocapsid Protein (N12.8) Recombinant Antibody
Catalogue Number	CBT_A0008
Expression Host	<i>Nicotiana benthamiana</i> plants
Clonality	Monoclonal, recombinant
Species and Isotype	Mouse IgG2a
Tag	None
Reporter Protein	None
Description	Recombinant mouse monoclonal antibody against SARS-CoV-2 Nucleocapsid protein, produced via <i>Agrobacterium tumefaciens</i> infiltration of <i>Nicotiana benthamiana</i> plants.
Verified Applications	Western blot (1: 1 000 – 1: 2 000) ELISA (1: 1 000 – 1: 4 000)
Concentration	1.0 mg/ml
Form	Liquid
Colour	Clear
Preparation	Ready to use
Storage	Short-term (up to one week): 2 – 8 °C Long term: Aliquot and store at – 20 °C Store immediately. Aliquot and avoid multiple freeze-thaw cycles.
Storage buffer	0.1 M Phosphate Buffered Saline, pH 7.4. Preservative: none
Purification notes	This product was purified using Protein A affinity chromatography.
Purity	≥ 90 % as determined by SDS-PAGE.
General notes	If for any reason the product does not perform as specified, please contact our scientific support team for assistance by emailing sales@capebiologix.com .

Cape Biologix Technologies (Pty) Ltd.
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IMAGES

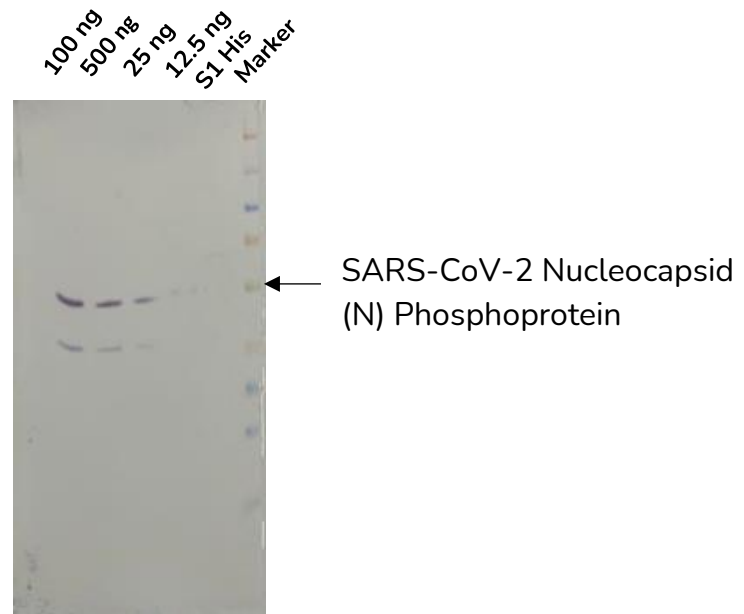


Figure 1: Western blot analysis of PtX™ Mouse Anti-N (N12.8). Lanes 1 – 4: Varying amounts of SARS-CoV-2 Nucleocapsid (N) Phosphoprotein were run on the SDS-PAGE. Separated bands were transferred to the membrane and PtX™ Mouse Anti-N (N12.8) (1: 1 000) was used to detect the antigen. The bands SARS-CoV-2 Nucleocapsid (N) Phosphoprotein (~46 kDa) were visualized in each lane following the addition of anti-mouse secondary antibody with HRP and substrate. Our antibody was able to detect antigen amounts upwards of 12.5 ng (Lane 4).

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