

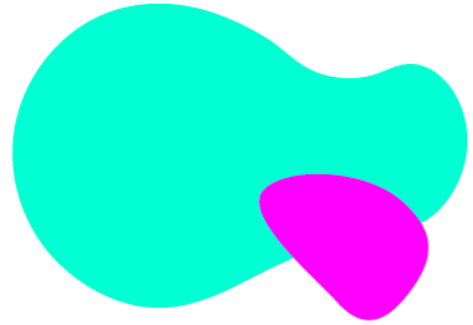
Datasheet

OVERVIEW AND PROPERTIES

Product Name	PtX™ Mouse Anti-SARS CoV-2 Nucleocapsid Protein (N08) Recombinant Antibody
Catalogue Number	CBT_A0011
Expression Host	<i>Nicotiana benthamiana</i> plants
Clonality	Monoclonal
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, ELISA
Recommended Dilutions	Western blot (1: 1 000 – 1: 5 000) ELISA (1: 2 000 – 1: 5 000)
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	≥ 95 % 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

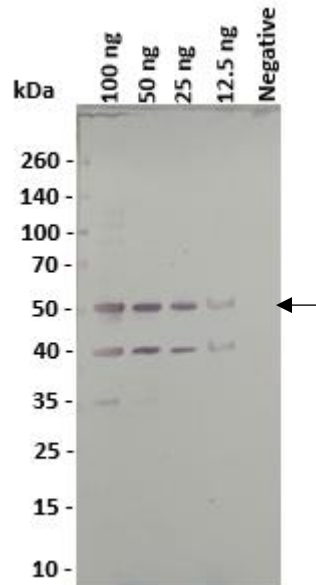


Figure 1: Western blot analysis of PtX™ Mouse Anti-SARS-CoV-2 N (N08). Lanes 2 – 4: Varying amounts of SARS-CoV-2 Nucleocapsid (N) Phosphoprotein were run on the SDS-PAGE. Separated bands were transferred to the membrane and PtX™ Mouse Anti-N (N08) (1: 5 000) was used to detect the antigen. The SARS-CoV-2 N Phosphoprotein bands (~46 kDa) were visualized in each lane following the addition of anti-mouse secondary antibody with HRP and substrate. Post-translation cleavage of the N protein is seen at ~40 kDa and ~35 kDa. Our antibody was able to detect antigen amounts upwards of 12.5 ng (Lane 4).

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