

# Datasheet

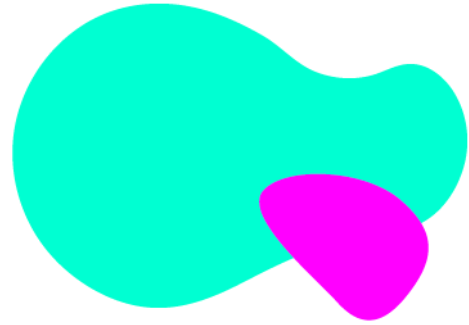
## OVERVIEW AND PROPERTIES

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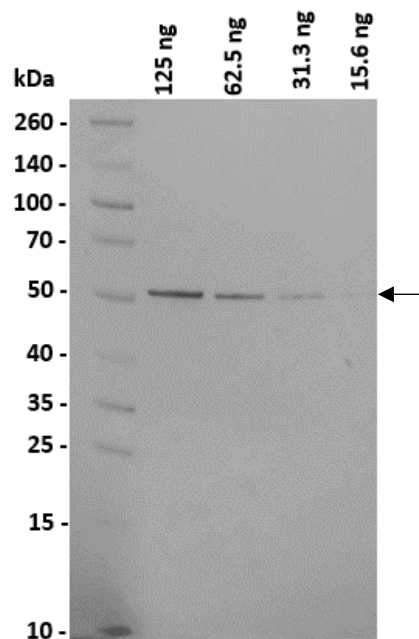
<b>Product Name</b>	PtX™ Human Anti-SARS CoV-2 Nucleocapsid Protein (HuN4) Recombinant Antibody
<b>Catalogue Number</b>	CBT_A0010
<b>Expression Host</b>	<i>Nicotiana benthamiana</i> plants
<b>Clonality</b>	Monoclonal
<b>Species and Isotype</b>	Human IgG1
<b>Tag</b>	None
<b>Reporter Protein</b>	None
<b>Description</b>	Recombinant human monoclonal antibody against SARS-CoV-2 Nucleocapsid protein, produced via <i>Agrobacterium tumefaciens</i> infiltration of <i>Nicotiana benthamiana</i> plants.
<b>Verified Applications</b>	Western blot, ELISA
<b>Recommended Dilutions</b>	Western blot (1: 500 – 1: 2 000) ELISA (1: 1 000 – 1: 4 000)
<b>Concentration</b>	1.0 mg/ml
<b>Form</b>	Liquid
<b>Colour</b>	Clear
<b>Preparation</b>	Ready to use
<b>Storage</b>	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.
<b>Storage buffer</b>	0.1 M Phosphate Buffered Saline, pH 7.4. Preservative: none
<b>Purification notes</b>	This product was purified using Protein A affinity chromatography.
<b>Purity</b>	≥ 95 % as determined by SDS-PAGE.
<b>General notes</b>	If for any reason the product does not perform as specified, please contact our scientific support team for assistance by emailing <a href="mailto:sales@capebiologix.com">sales@capebiologix.com</a> .

**Cape Biologix Technologies (Pty) Ltd.**  
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IMAGES



**Figure 1:** Western blot analysis of PtX™ Human Anti-SARS-CoV-2 N (HuN4). Lanes 2 – 5: Varying amounts of SARS-CoV-2 Nucleocapsid (N) Phosphoprotein were run on the SDS-PAGE. Separated bands were transferred to the membrane and PtX™ Human Anti-N (HuN4) (1: 1 000) 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-human secondary antibody with HRP and substrate. Our antibody was able to detect antigen amounts upwards of 15.6 ng (Lane 5).

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