CAPE BIOLOGIX TECHNOLOGIES

Datasheet

OVERVIEW AND PROPERTIES

Product Name	PtX™ Human Anti-SARS CoV-2 Nucleocapsid Protein (HuN4) Recombinant Antibody
Catalogue Number	CBT_A0010
Expression Host	*Nicotiana benthamiana* plants
Clonality	Monoclonal
Species and Isotype	Human IgG1
Tag	None
Reporter Protein	None
Description	Recombinant human monoclonal antibody against SARS-CoV-2 Nucleocapsid protein, produced via *Agrobacterium tumefaciens* infiltration of *Nicotiana Benthamian a* plants.
Verified Applications	Western blot, ELISA
Recommended Dilutions	Western blot (1: 500 – 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	≥ 95 % as determined by SDS-PAGE. 99.30% as determined by Mass Spectrometry
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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Directors: Belinda Shaw
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VAT number: 4170291449
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IMAGES

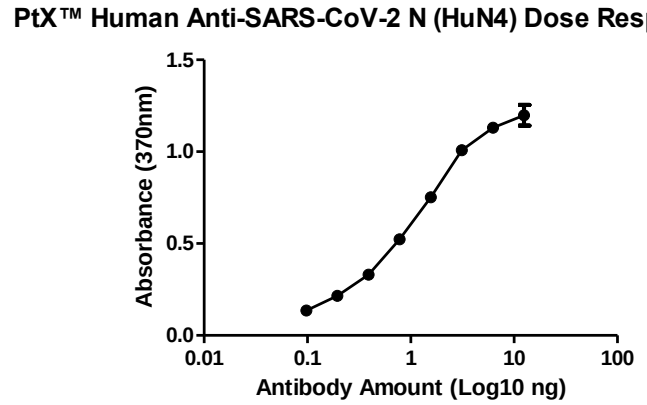

Figure 1. ELISA Dose Response curve showing increasing absorbance at 370 nm with increasing amounts of PtX™ Human Anti-SARS-CoV-2 N (HuN4) Antibody, used to detect 1 ng/µl of SARS-CoV-2 Nucleocapsid Phosphoprotein.

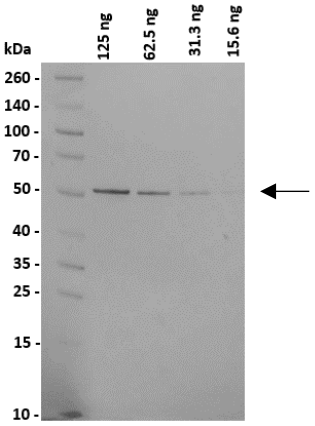

Figure 2. Western blot analysis of PtX™ Human Anti-SARS-CoV-2 N (HuN4). Lanes 2 – 5: Varying amounts of SARS-CoV-2 Nucleocapsid (N) Phosphoprotein were run on the SDS-PAGE. Separated bands were transferred to the membrane and PtX™ Human Anti-N (HuN4) (1: 1 000) was used to detect the antigen. The SARS-CoV-2 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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