

Datasheet

OVERVIEW AND PROPERTIES

Product Name	PtX™ Human Anti-SARS CoV-2 Nucleocapsid Protein (HuN5) Recombinant Antibody
Catalogue Number	CBT_A0009
Expression Host	<i>Nicotiana benthamiana</i> plants
Clonality	Monoclonal, recombinant
Species and Isotype	Human IgG1
Tag	None
Reporter Protein	None
Description	Recombinant human 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: 2 000 - 1: 5 000) 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 98.71 % 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.

Address: Unit 3, The Powder Mill, 5 Sunrise Circle,
Ndabeni, Cape Town, South Africa, 7405

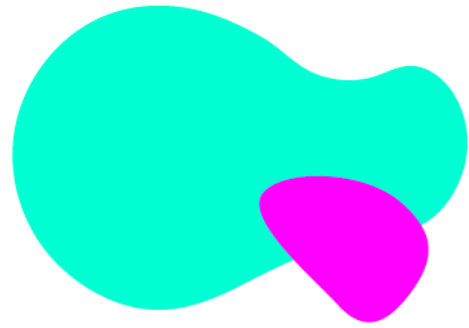
Directors: Belinda Shaw

Company Registration: 2020/185821/07

VAT number: 4170291449

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IMAGES

PtX™ Human Anti-N (HuN5) Dose Response ELISA

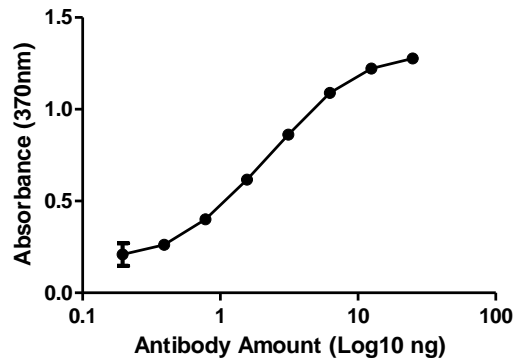


Figure 1: ELISA Dose Response curve showing increasing absorbance at 370 nm with increasing amounts of PtX™ Human Anti-N (HuN5) used to detect 1 ng/μl of SARS-CoV-2 Nucleocapsid Phosphoprotein antigen.

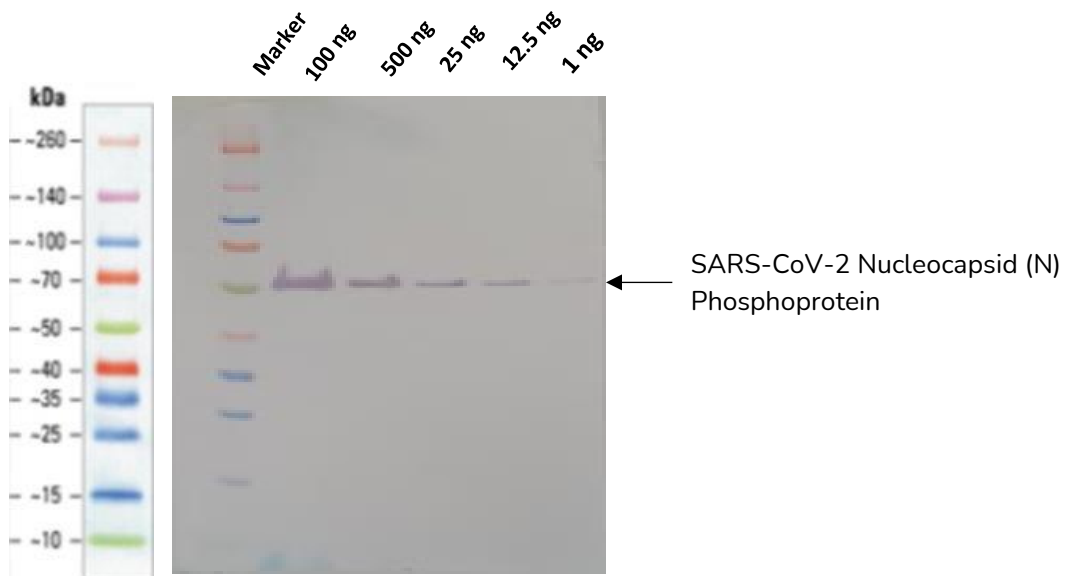
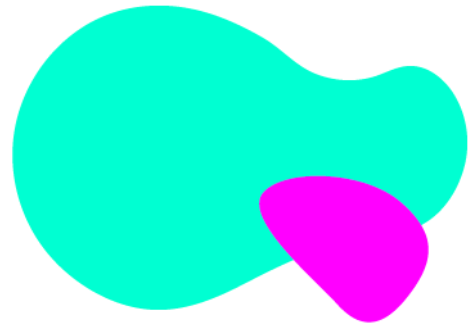


Figure 2: Western blot analysis of PtX™ Human Anti-N (HuN5). Lanes 2 – 6: Varying amounts of SARS-CoV-2 Nucleocapsid (N) Phosphoprotein were run on the SDS-PAGE. Separated bands were transferred to the membrane and PtX™ Human Anti-N (HuN5) (1: 5 000) was used to detect the antigen. The bands SARS-CoV-2 Nucleocapsid (N) Phosphoprotein (~46 kDa) were visualized in each lane following the addition of anti-human

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secondary antibody with HRP and substrate. Our antibody was able to detect antigen amounts upwards of 1 ng (Lane 6).

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