

Antibody Datasheet

OVERVIEW AND PROPERTIES

Product Name	PtX™ Human Anti-SARS-CoV-2 Nucleocapsid (N12.8) (HRP) Recombinant Antibody
Catalogue Number	CBT_A0067
Expression Host	<i>Nicotiana benthamiana</i> plants
Clonality	Monoclonal, recombinant
Species and Isotype	Human IgG1
Tag	None
Reporter Protein	Horseradish Peroxidase (HRP)
Description	This product is a full-length Human IgG1 recombinant antibody specific to SARS-CoV-2 N Protein. It was produced in <i>Nicotiana benthamiana</i> plants via <i>Agrobacterium tumefaciens</i> -mediated infiltration.
Target Name	SARS-CoV-2 Nucleocapsid (N) Protein
Verified Applications	Western blot, ELISA
Dilution Range	Western blot (1: 500 - 1: 1 000) ELISA (1: 1 000 – 1: 15 000)
Concentration	1.0 mg/ml
Form	Liquid
Colour	Clear with faint red tinge
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: 50% Glycerol
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 techsupport@capebiologix.com . For Research Use only, unless otherwise indicated.

IMAGES

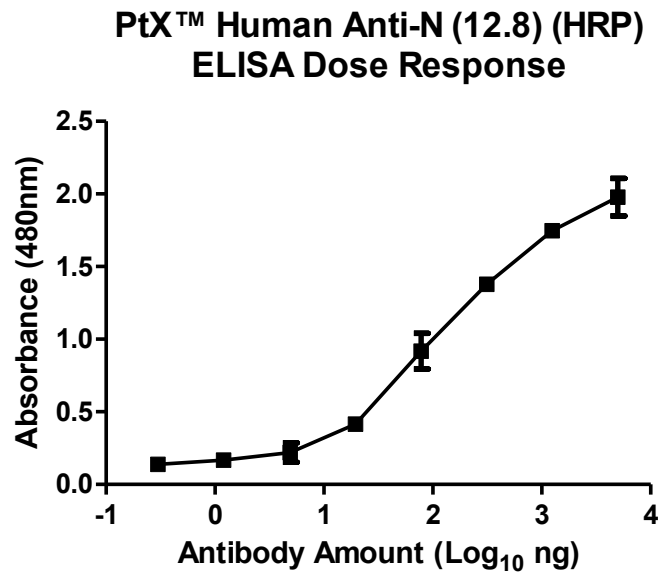


Figure 1. ELISA Dose Response curve: PtX™ Human Anti-N (N12.8) (HRP) Antibody from 0,003 – 50 ng/uL to detect 50 ng SARS-CoV-2 Nucleocapsid protein. Experiments were performed in triplicate, with error bars representing standard deviation (SD).

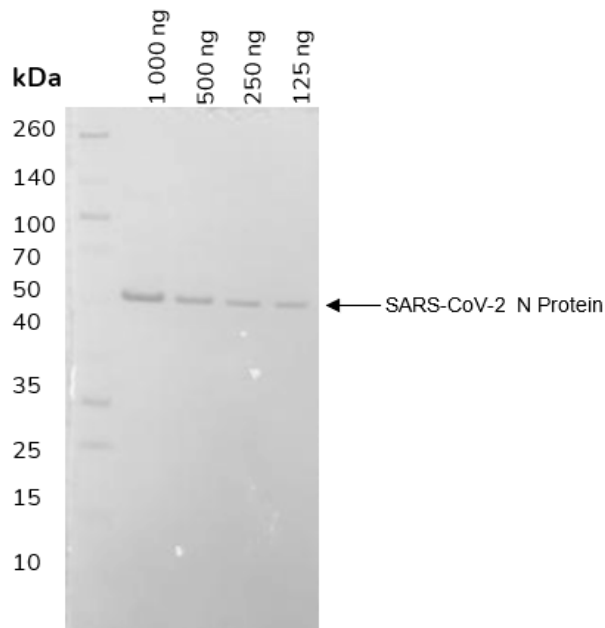


Figure 2. Western blot: decreasing amounts of SARS-CoV-2 Nucleocapsid protein (46 kDa) detected with PtX™ Human Anti-N (N12.8) (HRP) Antibody at 1: 1 000.