

## Datasheet

### OVERVIEW AND PROPERTIES

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<b>Product Name</b>	PtX™ Recombinant Protein A (HRP)
<b>Catalogue Number</b>	CBT_P0002
<b>Expression Host</b>	<i>Nicotiana benthamiana</i> plants
<b>Clonality</b>	N/A
<b>Species</b>	<i>Staphylococcus aureus</i>
<b>Tag</b>	6xhis tag (C-terminal)
<b>Reporter Protein</b>	Horseradish peroxidase (HRP) (N-terminal)
<b>Description</b>	This product is recombinantly produced in <i>Nicotiana benthamiana</i> plants via <i>Agrobacterium tumefaciens</i> mediated infiltration.
<b>Sequence</b>	MKKKNIYSIRKLGVGIASVTLGTLISGGVTPAANAA QHDEAQQNAFYQVLNMPNLNADQRNGFIQSLKDDPSQ SANVLGEAQKLNDSQAPKADAQQNNFDKDDQSAFYEI LNMPNLNEAQRNGFIQSLKDDPSQSTNVLGEAKKLINE SQAPKADNNFNKEQQNAFYEILNMPNLNEEQRNGFIQS
<b>Verified Applications</b>	Western blot (1:1 000-1:2 000) ELISA (1:1 000-1:2 000)
<b>Verified Species</b>	Human IgG1 (++++)
<b>Immunoglobulin Affinity</b>	Rabbit IgG (+++) Mouse IgG1 (+) Mouse IgG2a (++++) Alpaca IgG2b (++++)
<b>Concentration</b>	1.0 mg/ml
<b>Form</b>	Liquid
<b>Colour</b>	Light reddish
<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 Immobilised metal affinity chromatography (IMAC).

#### Cape Biologix Technologies (Pty) Ltd.

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

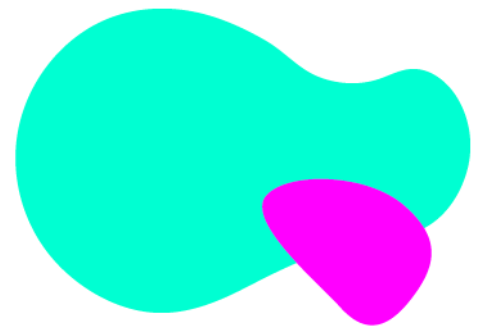
Directors: Belinda Shaw

Company Registration: 2020/185821/07

VAT number: 4170291449

Contact: [sales@capebiologix.com](mailto:sales@capebiologix.com) +27 (0)21 286 2835

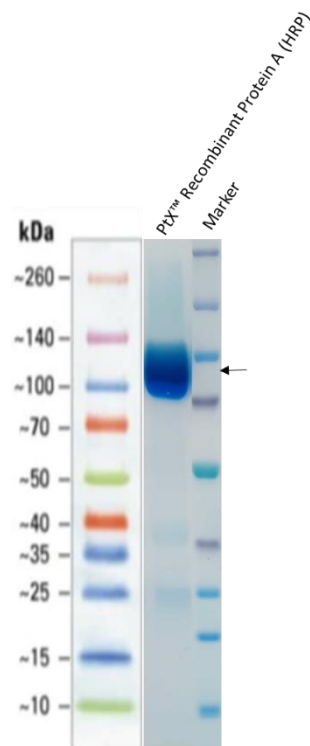
[www.capebiologix.com](http://www.capebiologix.com)



**Purity**  $\geq 85\%$  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](mailto:sales@capebiologix.com).

## IMAGES

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**Figure 1.** PtX™ Recombinant Protein A (HRP) analysed by SDS-PAGE and Coomassie stain. Arrow indicating protein size at 95KDa.

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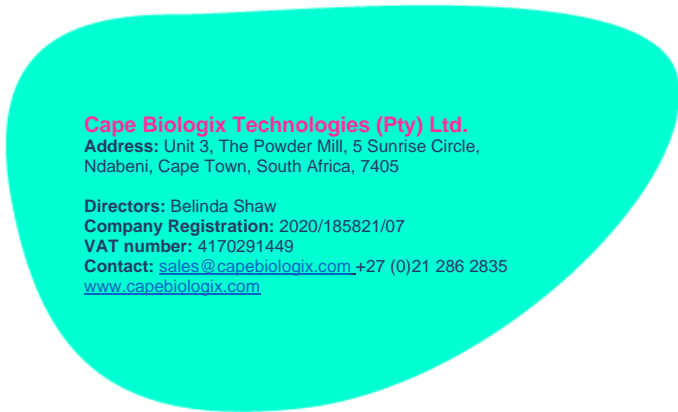
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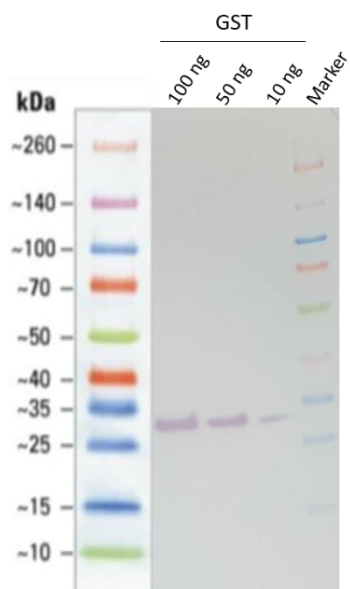
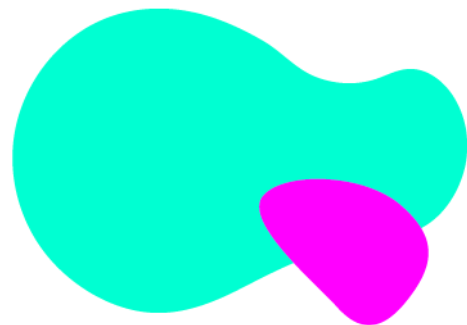
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**Figure 2.** Western blot of decreasing amounts of GST antigen (28 kDa) detected with PtX™ Rabbit Anti-GST Recombinant Antibody at 1:5 000 and PtX™ Recombinant Protein A (HRP) at 1:1000 as secondary detection probe.

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