

## Datasheet

### OVERVIEW AND PROPERTIES

<b>Product Name</b>	PtX™ Rabbit Anti-Bovine Serum Albumin Recombinant Antibody
<b>Catalogue Number</b>	CBT_A0014
<b>Expression Host</b>	<i>Nicotiana benthamiana</i> plants
<b>Clonality</b>	Monoclonal
<b>Species and Isotype</b>	Rabbit IgG1
<b>Tag</b>	None
<b>Reporter Protein</b>	None
<b>Description</b>	Recombinant rabbit monoclonal antibody against Bovine Serum Albumin protein, produced <i>via Agrobacterium tumefaciens</i> infiltration of <i>Nicotiana benthamiana</i> plants.
<b>Verified Applications</b>	Western blot, ELISA
<b>Species Reactivity</b>	Human, Bovine
<b>Recommended Dilutions</b>	Western blot (1: 5 000 - 1: 15 000) ELISA (1: 20 000 - 1: 100 000)
<b>Concentration</b>	1.0 mg/ml
<b>Form</b>	Liquid
<b>Colour</b>	Clear to light yellow
<b>Preparation</b>	Ready to use
<b>Storage</b>	Short-term (up to one week max): 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 98.66 % as determined by Mass Spectrometry
<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.

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

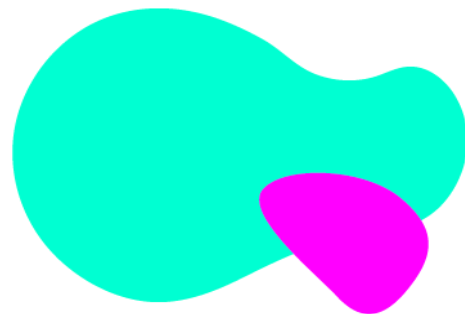
Directors: Belinda Shaw

Company Registration: 2020/185821/07

VAT number: 4170291449

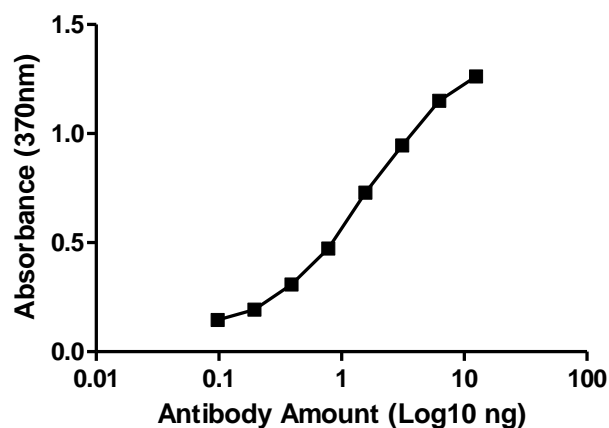
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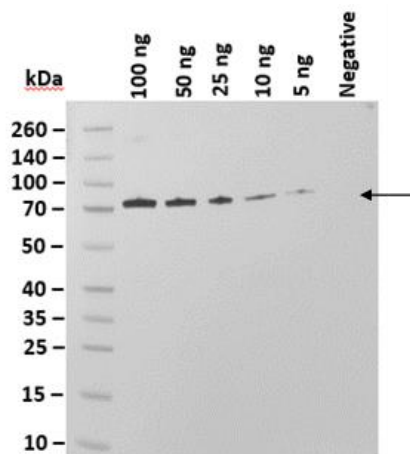


## IMAGES

### PtX™ Rabbit Anti-BSA ELISA Dose Response



**Figure 1.** ELISA Dose Response curve showing increasing absorbance at 370 nm with increasing amounts of PtX™ Rabbit Anti-BSA detecting 0.1 ng/μl BSA Standard Antigen.



**Figure 2.** Western blot analysis of PtX™ Rabbit Anti-BSA. Lanes 2 – 6: Decreasing amounts of Bovine Serum Albumin Protein were run on the SDS-PAGE. Separated bands were transferred to the membrane and PtX™ Rabbit Anti-BSA (1: 5 000) was used to detect the antigen. The bands (~66 kDa) were visualized in each lane following the addition of anti-rabbit secondary antibody with HRP and substrate. Our antibody was able to detect antigen amounts upwards of 5 ng (Lane 6).

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