

Datasheet

OVERVIEW AND PROPERTIES

Product Name	PtX™ Human Anti-Tumour Necrosis Factor Alpha Recombinant Antibody
Catalogue Number	CBT_A0013
Expression Host	<i>Nicotiana benthamiana</i> plants
Clonality	Monoclonal
Species and Isotype	Human IgG1
Tag	None
Reporter Protein	None
Description	Recombinant rabbit monoclonal antibody against TNF-Alpha cytokine, produced via <i>Agrobacterium tumefaciens</i> infiltration of <i>Nicotiana benthamiana</i> plants.
Verified Applications	Western blot, ELISA
Recommended Dilutions	Western blot (1: 2 000 – 1: 20 000) ELISA (1: 1 000 – 1: 10 000)
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 98.28 % 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

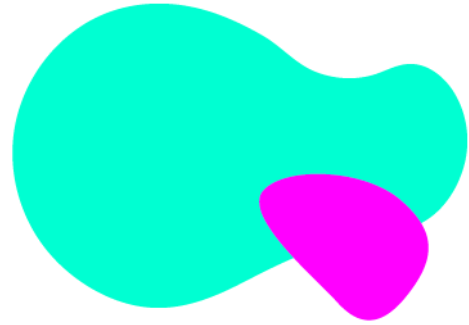
Directors: Belinda Shaw

Company Registration: 2020/185821/07

VAT number: 4170291449

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

www.capebiologix.com



IMAGES

Human Anti-TNF Alpha ELISA Dose Response

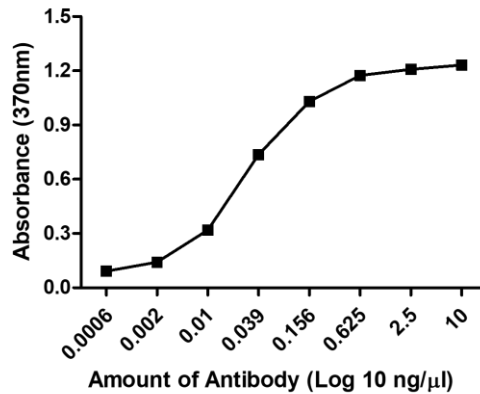


Figure 1: Functionality Testing of PtX™ Human Anti-TNF-Alpha ELISA Dose Response curve showing increasing absorbance with increasing amounts 96 well plate coated with 0.4 ng/μl of TNF alpha antigen.

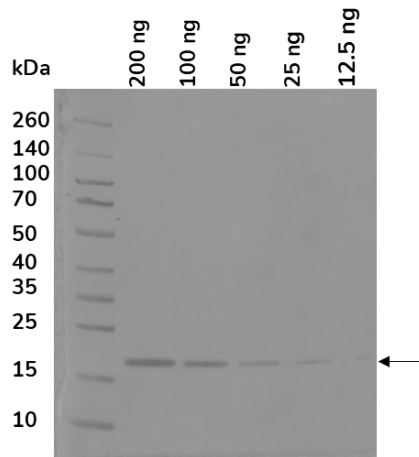


Figure 2: Western blot analysis of PtX™ Human Anti-TNF-Alpha. Lanes 2 – 6: Varying amounts of TNF- Alpha were run on an SDS-PAGE gel. Separated bands were transferred to the membrane and PtX™ Human Anti-TNF-α (1: 5 000) was used to detect the antigen. The single band of TNF-Alpha cytokine was visualized following the addition of anti-human secondary antibody with HRP and substrate. Our antibody was able to detect antigen amounts upwards of 25 ng (Lane 5).

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