

Antibody Datasheet

OVERVIEW AND PROPERTIES

Product Name	PtX™ Mouse Anti-Vascular Endothelial Growth Factor Recombinant Antibody
Catalogue Number	CBT_A0019
Expression Host	<i>Nicotiana benthamiana</i> plants
Clonality	Monoclonal, recombinant
Species and Isotype	Mouse IgG2a
Tag	None
Reporter Protein	None
Description	This product is a full-length Mouse IgG2a recombinant antibody specific to Vascular Endothelial Growth Factor (VEGF-165 ^a). It was produced in <i>Nicotiana benthamiana</i> plants via <i>Agrobacterium tumefaciens</i> -mediated infiltration.
Target Name	Vascular Endothelial Growth Factor (VEGF-165 ^a)
Verified Applications	Western blot, ELISA
Dilution Range	Western blot (1: 5 000-1: 10 000) ELISA (1: 20 000-1: 100 000)
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
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

PtX™ Mouse Anti-VEGF ELISA Dose Response

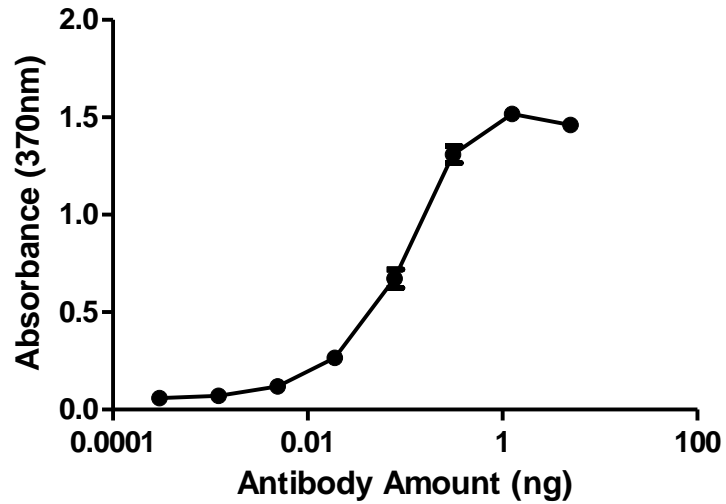


Figure 1. ELISA Dose Response curve of PtX™ Mouse Anti-VEGF Recombinant Antibody used to detect coated VEGF antigen at 0.05 ng/μl and increasing amount of antibody. Experiments were performed in triplicate, with error bars representing standard deviation (SD).

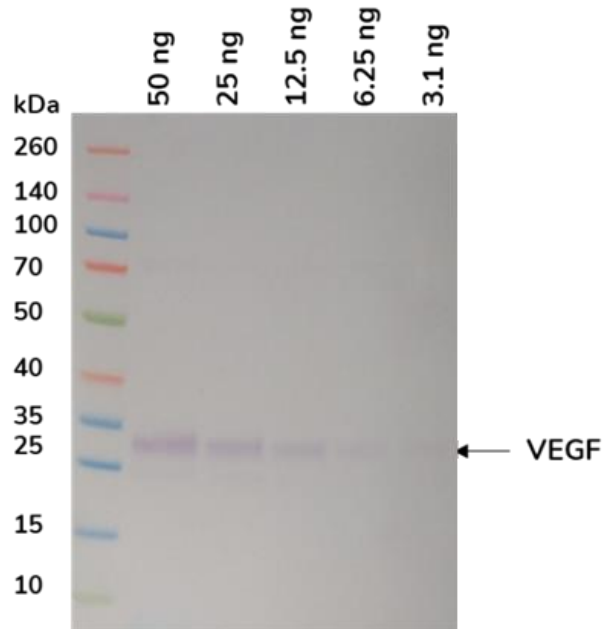


Figure 2. Western blot of decreasing amounts of commercial recombinant VEGF (17 kDa) detected using PtX™ Mouse Anti-VEGF at 1: 2 000 and an HRP conjugated anti-mouse secondary antibody.