

Antibody Datasheet

OVERVIEW AND PROPERTIES

Product Name	PtX™ Mouse Anti-CTLA-4 (Biotin) Recombinant Antibody
Catalogue Number	CBT_A0028[B]
Expression Host	<i>Nicotiana benthamiana</i> plants
Clonality	Monoclonal, recombinant
Species and Isotype	Mouse IgG2a
Tag	Biotin
Reporter Protein	None
Description	This product is a full-length Mouse IgG2a recombinant antibody specific to CTLA-4 antigen. It was produced in <i>Nicotiana benthamiana</i> plants via <i>Agrobacterium tumefaciens</i> -mediated infiltration.
Target Name	CTLA-4
Verified Applications	Western blot, ELISA
Dilution Range	Western blot (1: 1 000 – 1: 2 000) ELISA (1: 1 000 – 1: 40 000)
Tested Species Reactivity	Human
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	≥ 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.

PtX™ Mouse Anti-CTLA-4 (Biotin) ELISA Dose Response

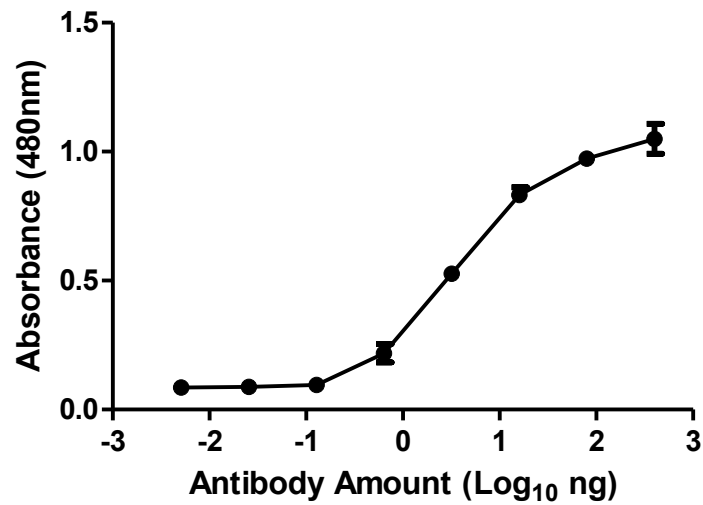


Figure 1. ELISA Dose Response curve using PtX™ Mouse Anti-CTLA-4 (Biotin) Antibody from 4.0 – 0.000051 ng/uL to detect 25 ng CTLA-4 antigen. Experiments were performed in triplicate, with error bars representing standard deviation (SD).

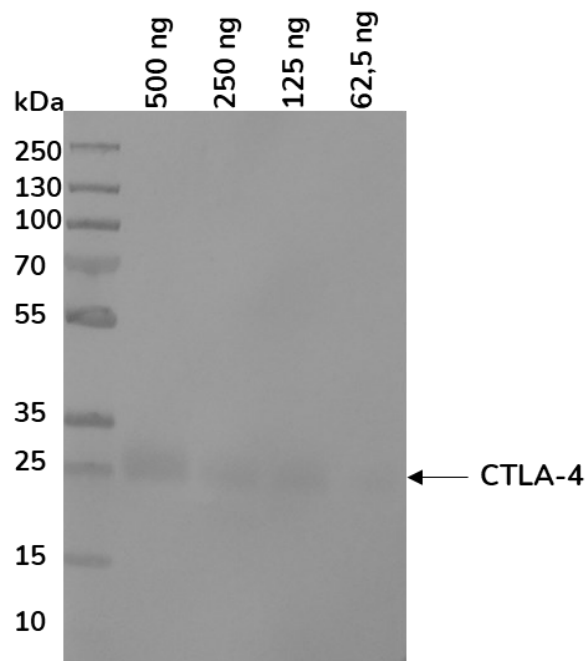


Figure 2. Western blot of decreasing amounts of CTLA-4 (~25 kDa) detected with PtX™ Mouse Anti-CTLA-4 (Biotin) at 1: 1 000 and Streptavidin-HRP conjugated at 1:5 000.