

Antibody Datasheet

OVERVIEW AND PROPERTIES

Product Name	PtX™ Rabbit Anti-c-Myc (9E10) Recombinant Antibody
Catalogue Number	CBT_A0007
Expression Host	<i>Nicotiana benthamiana</i> plants
Clonality	Monoclonal, recombinant
Species and Isotype	Rabbit IgG1
Tag	None
Reporter Protein	None
Description	Recombinant rabbit monoclonal antibody against c-Myc antigen, produced via <i>Agrobacterium tumefaciens</i> infiltration of <i>Nicotiana benthamiana</i> plants.
Verified Applications	Western blot (1: 1 000 – 1: 10 000) ELISA (1: 1 000 – 1: 20 000) Immunocytochemistry (ICC) (1: 100-1: 300)
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. 97.24 % 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 techsupport@capebiologix.com . For Research Use only, unless otherwise indicated.

IMAGES

PtX™ Rabbit Anti-c-Myc (9E10) ELISA Dose Response

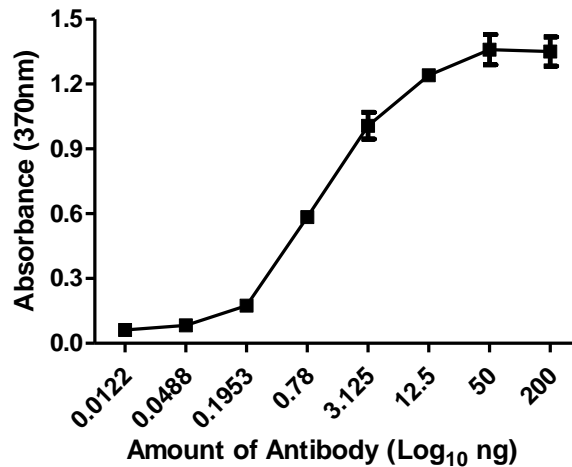


Figure 1. ELISA Dose Response curve showing increasing absorbance at 370 nm with increasing amounts of PtX™ Rabbit Anti-c-Myc (9E10) antibody added to a 96 well plate coated with 0.1 ng/ μ l c-Myc tagged Antigen.

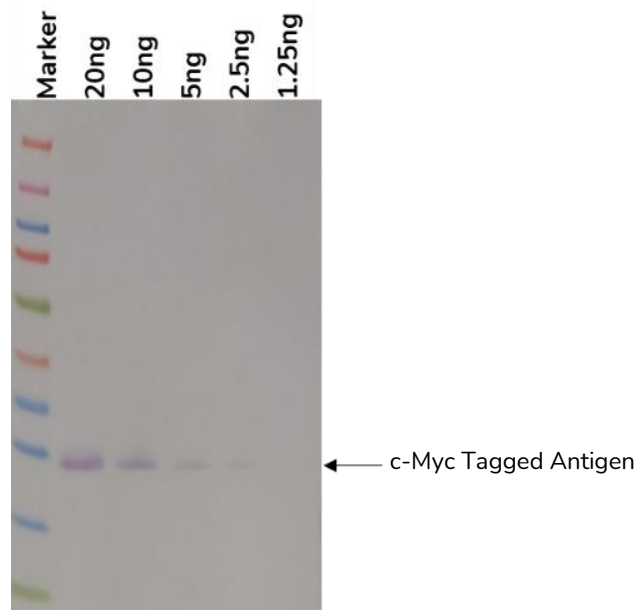


Figure 2. Western blot analysis of PtX™ Rabbit Anti-c-Myc (9E10). Lanes 2 – 6: Varying amounts of c-Myc tagged Serglycin protein were run on the SDS-PAGE. Separated bands were transferred to the membrane and PtX™ Rabbit Anti-c-Myc (9E10) (1: 2 000) was used to detect the antigen. The single bands of c-Myc tagged protein 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 2.5 ng (Lane 5).

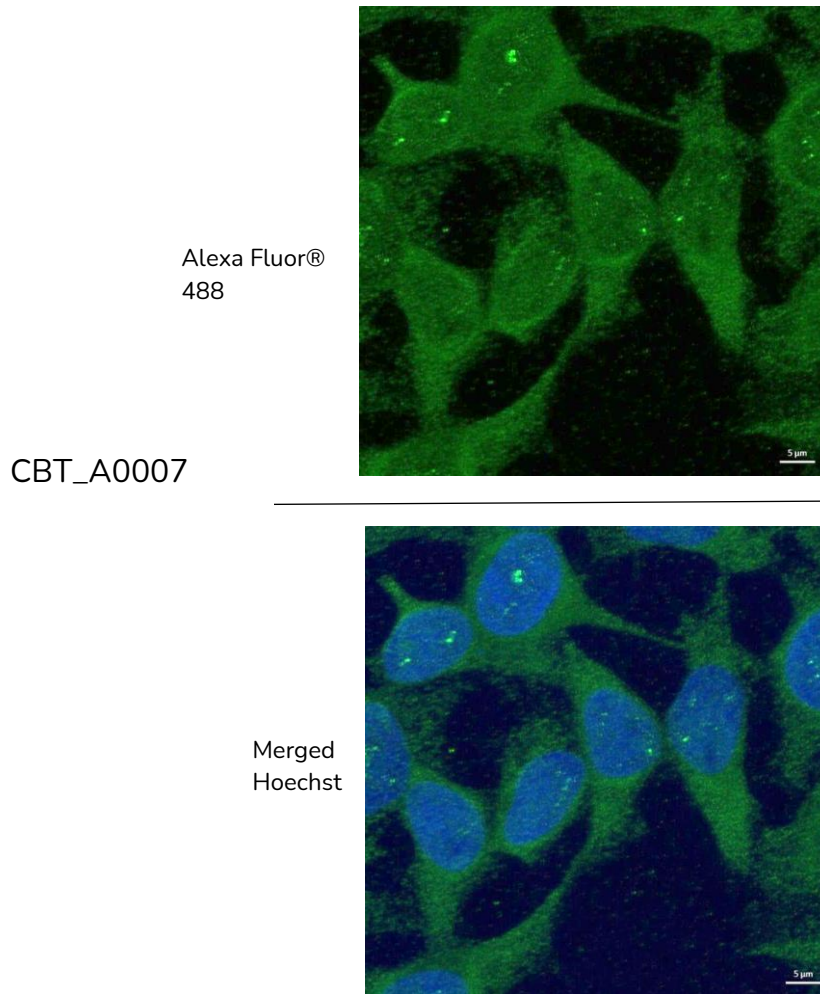


Figure 3. Immunocytochemistry: HeLa cells were plated at 200 000 cells/ well in 6-well plates on coverslips and allowed to adhere. Following fixing and blocking, cells were incubated with 1:200 dilution of Cape Biologix PtX™ Rabbit Anti-c-Myc primary antibody (Cat# CBT_A0007), and 1:300 dilution of a commercial Anti-Rabbit Alexa Fluor® 488 conjugated commercial secondary antibody. Cells were then stained with Hoechst 33342. Images were taken on a Zeiss LSM780 with ELYRA PS1 platform confocal microscope (60X) at the Stellenbosch University CAF unit. Thank you to Prof Georgia Schafer (ICGEB) for kindly donating the HeLa cells and Mrs Lize Engelbrecht for her outstanding assistance.