Rabbit Anti-c-Myc (9E10) Recombinant Antibody

No.:KF-ab0009

Expression Host: Nicotiana benthamiana plants

Clonality: Monoclonal, recombinant

Species and Isotype: Rabbit IgG1

Description: Recombinant rabbit monoclonal antibody against c-Myc proto-oncogene, produced via Agrobacterium tumefaciens infiltration of Nicotiana benthamiana plants.

Verified Applications: Western blot, ELISA, Immunocytochemistry (ICC)

Dilution Range: Western blot (1: 1 000 - 1: 10 000)

ELISA (1: 1 000 - 1: 20 000)

Immunocytochemistry (ICC) (1: 100-1: 300)

Tested Species Reactivity : Human

Concentration : 1 mg/ml

Form : Liquid

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: For Research Use only, unless otherwise indicated.

Image:

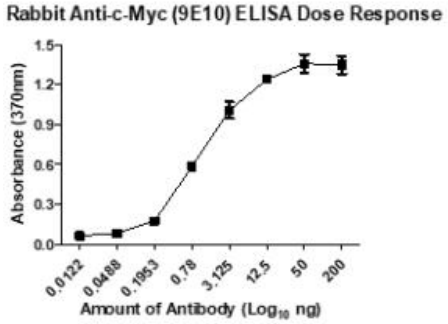

Figure 1. ELISA Dose Response curve showing increasing absorbance at 370 nm with increasing amounts of Rabbit Anti-c-Myc (9E10) antibody added to a 96 well plate coated with 0.1 ng/ µl c-Myc tagged Antigen.

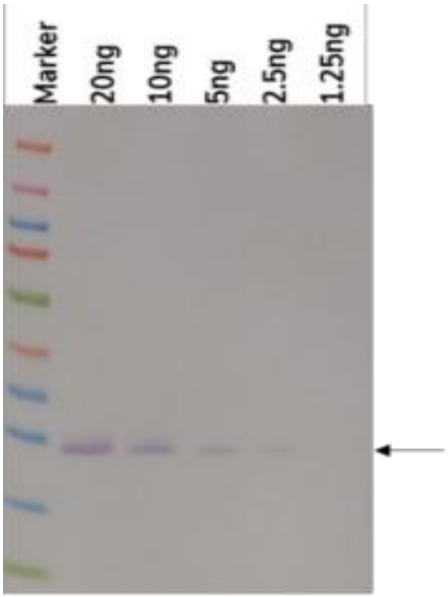

Figure 2. Western blot analysis of Rabbit Anti-c-Myc (9E10). Lanes 2 – 6: Varying amounts of c-Myc tagged Serglycin protein were run on the SDS-PAGE. Separated bands were transferred to the membrane and Rabbit Anti-c-Myc (9E10) (1: 2 000) was used to detect the antigen. The single bands of c-Myc tagged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

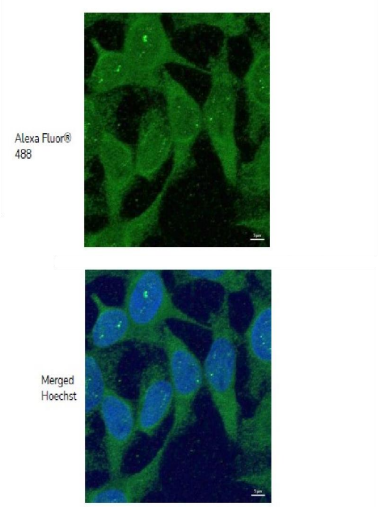

Figure 3. Immunocytochemistry: HeLa cells were plated at 200 000 cells/ well in 6-well plates on coverslips and allowed to adhere. Following fixing and blocking, cells were incubated with 1:200 dilution of Rabbit Anti-c-Myc primary antibody , and 1:300 dilution of a commercial Anti-Rabbit Alexa Fluor® 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.