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

No.:KF-ab0032

Expression Host: Nicotiana benthamiana plants

Clonality: Monoclonal, recombinant

Species and Isotype: Mouse IgG2a

Description: This product is a full-length Mouse IgG2a recombinant antibody specific to His & c-Myc Tagged-rSRGN antigen. It was produced in Nicotiana benthamiana plants via Agrobacterium tumefaciens-mediated infiltration.

Verified Applications: Western blot, ELISA, ICC

Dilution Range: Western Blot (1: 1 000 - 1: 5 000)

ELISA (1: 500 - 1: 5 000)

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: ≥ 95% as determined by SDS-PAGE

General Notes: For Research Use only, unless otherwise indicated.

Image:

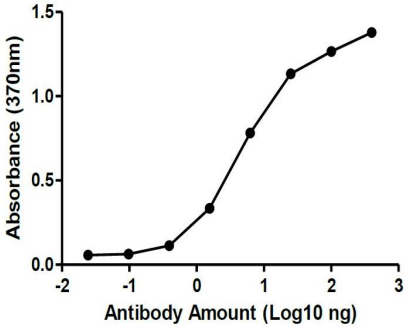

Figure 1. ELISA Dose Response curve using Mouse Anti-c-Myc (9E10) from 4 – 0.0002441 ng/uL to detect 0.1 ng c-Myc antigen. Experiments were performed in triplicate, with error bars representing standard deviation (SD).

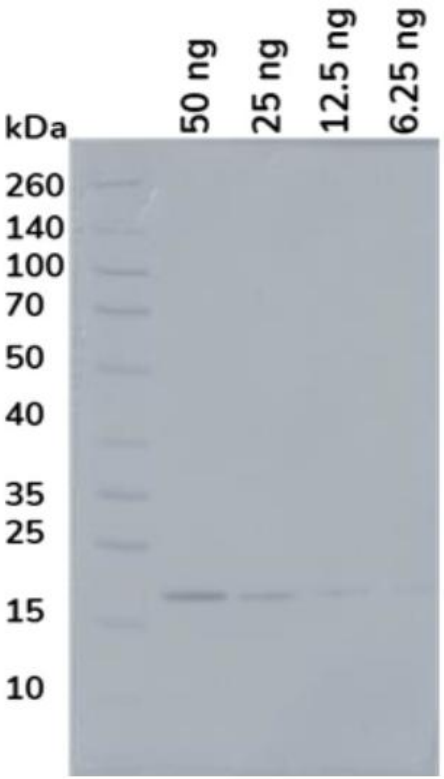

Figure 2. Western blot of decreasing amounts of c-Myc antigen (25 kDa) detected with Mouse Anti-c-Myc (9E10) at 1: 1 000 and an HRP conjugated anti-mouse secondary antibody.

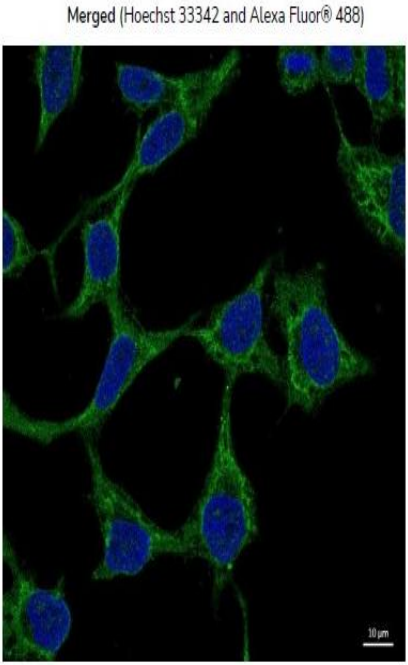

Figure 3. Immunocytochemistry: HeLa cells were plated at 200 000 cells/ well in 6-well plates on coverslips and allowed to adhere. Following fixation and blocking, they were incubated with 1:200 dilution of Mouse Anti-c-Myc primary antibody, and 1:300 dilution of a commercial Anti-Mouse Alexa Fluor® 488 conjugated commercial secondary antibody. Cells were stained with nuclear stain Hoechst 33342 for 5 minutes. Images were taken on a Zeiss LSM780 with ELYRA PS1 platform confocal microscope (20X) 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.