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Anti- Human c-Myc (9E10)

Fluorochrome	Reference	Size
FITC	CMYCF-01MG	100 test

PRODUCT DESCRIPTION

Clone: 9E10
Isotype: IgG1
Tested application: flow cytometry
Immunogen: C-terminal region of human c-Myc, aa 408-439
Species reactivity: Human
Storage instruction: store in the dark at 2-8 °C
Storage buffer: aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN_3).
Recommended usage: Immunostep's c-Myc, clone 9E10, is a monoclonal antibody intended for the identification of c-Myc proto-onconge using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using ⩽1 µg/10^6 cells.
Presentation: liquid
Source: Supernatant proceeding from an *in vitro* cell culture of a cell hybridoma.
Purification: Protein A chromatography.

ANTIGEN DETAILS

Large description: The c-myc protein is a 62 kD nuclear factor that is ubiquitously expressed in the nucleus. c-myc is part of a heterodimeric complex with MAX that acts as a potent transcriptional activator.

The proto-oncogene c-MYC, has a pivotal function in growth control, differentiation and apoptosis and is among the most frequently affected genes in human cancers[1,2].

The protein encoded by this gene is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. It functions as a transcription factor that regulates transcription of specific target genes[3].

Other Names: Oncogene Myc, Myc proto-oncogene protein
Gene ID: 4609
Molecular weight: 62 kDa

Please, refer to www.immunostep.com technical support for more information.

WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties.
Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

REFERENCES

1. Hoffman B, Amanullah A, Shafarenko M, Liebermann DA. 2002. The proto-oncogene c-myc in hematopoietic development and leukemogenesis. Oncogene 21(21): 3414-3421.

2. Boxer LM, Dang CV. 2001. Translocations involving c-myc and c-myc function. Oncogene 20(40):5595-5610.

3. Dang CV, Resar LM, Emison E, Kim S, Li Q, Prescott JE, Wonsey D, Zeller K. 1999. Function of the c-Myc oncogenic transcription factor. Exp Cell Res 253(1): 63-77.

MANUFACTURED BY

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