

Anti- Human c-Myc (9E10)

Fluorochrome	Reference	Size
FITC	MYCF-OIMG	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 (NaN₃).

Recommended usage: Immunostep's c-Myc, clone 9E10, is a monoclonal antibody intended for the identification of c-Myc proto-oncogene using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10⁵ 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 genes³.

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



Immunostep S.L

Avda. Universidad de Coimbra, s/n
Cancer Research Center (CIC)
Campus Miguel de Unamuno
37007 Salamanca (Spain)
Tel. (+34) 923 294 827
www.immunostep.com