



Product Information Sheet

Monoclonal Anti-c-Myc (Sephrose Bead Conjugate)

Catalogue No. MA1028-S

proteins.

Lot No. 08A12

Recommended application

Immunoprecipitation(IP)

Clone: IMD-3

Ig type: mouse IgG2a

Size: 200µl

Specificity

Human.

sepharose beads. It is useful for immunoprecipitation assays.

No cross reactivity with other

BACKGROUND

C-Myc is an oncogene that functions both in the stimulation of cell proliferation and in apoptosis. c-Myc elicits its oncogenic activity by causing immortalization, and to a lesser extent the transformation of cells, in addition to several other mechanisms. The c-MYC proto-oncogene encodes a transcription factor that is critical for cell growth and proliferation. It is one of the genes frequently altered in cancer cells in which it exhibits constitutive activity. Downregulation of c-Myc is critical for 2-Methoxyestradiol (2ME2)-induced oxidative stress and apoptosis in AML cells. And its up-regulation is important for promoting lymphocyte cell division, and demonstrating that GFP-c-Myc expression is a marker of proliferating lymphocytes in vivo.

REFERENCE

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2. Britton S, Salles B, Calsou P. c-MYC protein is degraded in response to UV irradiation. Cell Cycle. 2007 Oct 2;7(1)
3. Chow JM, Liu CR, Lin CP, Lee CN, Cheng YC, Lin S, Liu HE. Downregulation of c-Myc determines sensitivity to 2-methoxyestradiol-induced apoptosis in human acute myeloid leukemia. Exp Hematol. 2008 Feb;36(2):140-8.
4. Huang CY, Bredemeyer AL, Walker LM, Bassing CH, Sleckman BP. Dynamic regulation of c-Myc proto-oncogene expression during lymphocyte development revealed by a GFP-c-Myc knock-in mouse. Eur J Immunol. 2008 Jan 14.

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