Monoclonal Anti-c-Myc / Myc Tag

Catalog# BTL1002

Lot # Check on the product label

Size 100μg

Isotype IgG1

Host Mouse

Reactivity
All

Product Form Liquid (1mg/ml)

Immunogen
A synthetic peptide EQKLISEEDL conjugated to KLH.

Recommend Application
Western Blot (1:1000-10000)
Immunofluorescence, IF (1:200-1000)
Immunoprecipitation, IP (1:100-500)
Other applications have not been tested.
The optimal dilutions should be determined by end user.

Storage Buffer
In PBS (pH7.4), 50% Glycerol and 0.02% Sodium Azide.

Storage Instruction
Store at 2-8°C for 1 month. Or aliquot and store at -20°C or below for long term. Avoid repeated freeze and thaw cycles.

Background
c-Myc is a regulator gene that codes for a transcription factor. A mutated version of Myc is found in many cancers, which causes Myc to be constitutively (persistently) expressed. This leads to the unregulated expression of many genes, some of which are involved in cell proliferation and results in the formation of cancer. It may be a potential cancer drug target. c-Myc-tag is one of epitope tags, it is particularly useful for western blotting, immunofluorescence and immunoprecipitation experiments, although they also find use in antibody purification.

Reference
1. Soucek L, Whitfield J, Martins CP, Finch AJ, Murphy DJ, Sodir NM, Karnezis AN, Swigart LB, Nasi S, Evan GI (October 2008). "Modelling Myc inhibition as a cancer therapy". Nature 455 (7213): 679–83.

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