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Monoclonal Antibody to c-Myc Epitope Tag (EQKLISEEDL) - Biotin

Alternate names: c-myc tag, myc tag, myc-tag

Catalog No.: SM1863B

Quantity: 0.1 mg

Concentration: 0.1 mg/ml

Background: p62c-myc is involved in the regulation of the cell cycle and cell growth. p62c-myc is primarily located to the cell nucleus, but has also been shown to localised to the cytoplasm in several cell lines. Overexpression of c-myc has been reported in a wide variety of human cancers.

Uniprot ID: P01106

NCBI: NP_002458

GeneID: 4609

Host / Isotype: Mouse / IgG1

Clone: 9E10

Immunogen: Synthetic peptide sequence AEEQKLISEEDLL corresponding to the C-terminal region of Human c-myc.
Spleen cells from immunised Balb/c mice were fused with cells of the myeloma cell line.

Format: **State:** Liquid purified Ig fraction.
Purification: Affinity Chromatography on Protein G.
Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer.
Label: Biotin

Applications: **ELISA:** 1/20-1/50.
Western Blot (Non-Reducing Conditions).
Detects a band of approximately 62kDa in Colo 320HSR cell lysates.
Flow Cytometry: Use 10 µl of Neat antibody to label 1x10e6 cells in 100 µl.
Immunohistochemistry on Frozen and Paraffin Sections: This product does not require protein digestion pre-treatment of paraffin sections prior to staining. It does not require antigen retrieval using heat treatment prior to staining of paraffin sections.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody detects the 62kDa c-myc gene product.
This antibody may also be used to detect the commonly used c-myc tag.

Species Reactivity: **Tested:** Human.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:

1. Evan GI, Lewis GK, Ramsay G, Bishop JM. Isolation of monoclonal antibodies specific for human c-myc proto-oncogene product. Mol Cell Biol. 1985 Dec;5(12):3610-6. PubMed PMID: 3915782.
2. Spandidos DA, Pintzas A, Kakkanas A, Yiagnisis M, Mahera H, Patra E, et al. Elevated expression of the myc gene in human benign and malignant breast lesions compared to normal tissue. Anticancer Res. 1987 Nov-Dec;7(6):1299-304. PubMed PMID: 3327455.