



Qty: 100 µg
Mouse anti-c-Myc-
FITC conjugate
Catalog No. 13-2511

Mouse anti-c-Myc-FITC

FORM

This antibody is supplied as a 200 µL aliquot at an antibody concentration of 0.5 mg/mL in 50% glycerol, phosphate buffered saline (pH 7.4), containing 1% BSA, and 0.1% sodium azide as a preservative. The antibody is Protein A-purified from mouse ascites before conjugation to fluorescein isothiocyanate.

CLONE: 9E10

ISOTYPE: Mouse IgG₁-kappa

FLUOROCHROME/ANTIBODY RATIO: 0.98

IMMUNOGEN

Synthetic peptide corresponding to amino acids 408-439 of the human c-myc sequence⁽¹⁾

SPECIFICITY

This antibody detects the protein product of the c-myc oncogene (~65 kDa). The antibody recognizes an epitope encoded by the amino acid sequence EQKLISEEDL, corresponding to aa 410-419 in the leucine zipper region of human c-myc. Many expression plasmids encoding this sequence are available for producing c-myc tagged fusion proteins. Antibody 9E10 recognizes proteins tagged with c-myc at either the C-terminal or N-terminal regions.

REACTIVITY

This monoclonal antibody reacts with the human c-myc protein (~65 kDa by reducing SDS-PAGE) and c-myc-tagged fusion proteins.

USAGE

Working concentrations for specific applications should be determined by the investigator. Appropriate concentrations will be affected by several factors, including secondary antibody affinity, antigen concentration, sensitivity of detection method, temperature and length of incubations, etc. We recommend the following ranges as starting points for this product.

Immunofluorescence: 2 µg/mL

For Western blotting⁽³⁾, immunoprecipitation, ELISA, or immunohistochemistry⁽⁴⁾ (including formalin-fixed, paraffin embedded tissue) Invitrogen recommends the use of unconjugated anti-c-Myc (9E10), Cat. No. 13-2500.

STORAGE

Store at 2-8°C. This product is guaranteed to perform as stated when used before the expiration date printed on the bottle.

BACKGROUND^(1,2)

The *c-myc* proto-oncogene is the cellular homologue *v-myc*, originally isolated from avian myelocytomatosis virus. *c-myc* protein is localized to the nucleus and exhibits cell cycle-dependent expression in human cell lines and neoplasms. Many types of abnormal *c-myc* expression have been observed including insertional inactivation, translocation, and amplification. The significance of abnormal *c-myc* expression is still unclear.

REFERENCES

1. Evan GI, et al. *Mol Cell Biol* 5:3610, 1985.
2. Royds JA, et al. *J Pathol* 166:225, 1992.
3. Olivera A, et al. *J Cell Biol* 147:545-557, 1999.
4. Gao Q, et al. *J Biol Chem* 269(51):32389-32393, 1994.

For Research Use Only. CAUTION: Not for human or animal therapeutic or diagnostic use.

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PI132511

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RELATED PRODUCTS

Product	Clone/PAD*	Cat. No.
Ms x c-Myc	9E10	13-2500
Ms x GAL4	GAL-4-8	33-8600
Ms x GFP	C163	33-2600
Ms x GST	GST 3-4C	13-6700
Rb x GST	KG2	71-7500
Rb x HA	SG77	71-5500
Ms x Maltose Binding Protein	R29	33-5100
Ms x Biotin	Z021	03-3700
Rb x DNP	---	71-3500
Rt x DNP	LO-DNP-2	04-8300
Rb x FITC	---	71-1900
Rb x Rhodamine	---	71-3600
Ms x BrdU	ZBU30	03-3900
Ms x BrdU-Biotin	ZBU30	03-3940
BrdU Labeling Reagent	15 mls	03-3940
BrdU Staining Kits	50 or (250) slides	93-3973 or (93-3944)














*PAD, polyclonal antibody designation

Protein A	Sepharose® 4B	10-1041
rec-Protein G	Sepharose® 4B	10-1241

Conjugate	ZyMAX™ Goat x Rabbit IgG (H+L)	ZyMAX™ Goat x Mouse IgG (H+L)
Purified	81-6100	81-6500
FITC	81-6111	81-6511
TRITC	81-6114	81-6514
Cy™3	81-6115	81-6515
Cy™5	81-6116	81-6516
HRP	81-6120	81-6520
AP	81-6122	81-6522
Biotin	81-6140	81-6540

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Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

For Research Use Only. CAUTION: Not for human or animal therapeutic or diagnostic use.

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