

Datasheet for ABIN302017

anti-Myc Tag antibody (C-Term) (FITC)**2** Images**8** Publications[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	Myc Tag
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Myc Tag antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Synthetic peptide sequence (AEEQKLISEEDLL) corresponding to the C-terminal region of human c-Myc.
Clone:	9E10
Isotype:	IgG1
Specificity:	The antibody 9E10 can be used to detect the c-Myc tag.
Cross-Reactivity (Details):	Human, Recognizes fusion proteins in all species
Purification:	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	Myc Tag
Alternative Name:	c-Myc tag (Myc Tag Products)
Target Type:	Tag
Background:	<p>MYC proto-oncogene,The c-myc gene (8q24 on human chromosome) is the cellular homologue of the v-myc gene originally isolated from an avian myelocytomatosis virus. The c-Myc protein is a transcription factor (nuclear localization). c-Myc is commonly activated in a variety of tumor cells and plays an important role in cellular proliferation, differentiation, apoptosis and cell cycle progression. The phosphorylation of c-Myc has been investigated and previous studies have suggested a functional association between phosphorylation at Thr58/Ser62 by glycogen synthase kinase 3, cyclin-dependent kinase, ERK2 and C-Jun N-terminal Kinase (JNK) in cell proliferation and cell cycle regulation. In normal cells the expression of c-Myc is tightly regulated but in human cancers c-Myc is frequently deregulated. c-Myc is also essential for tumor cell development in vasculogenesis and angiogenesis that distribute blood throughout the cells.,bHLH, MRTL, MYCC</p>
Gene ID:	4609
UniProt:	P01106

Application Details

Application Notes:	<p>Flow cytometry: Intracellular or extracellular staining, depending on particular expression.</p> <p>Recommended dilution: 1-5 µg/mL.</p>
Comment:	<p>The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC.</p>
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze.

Handling

Avoid prolonged exposure to light.

Storage: 4 °C

Storage Comment: Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Publications

Product cited in: Jelínková, Šafaříková, Vondálová Blanářová, Skender, Hofmanová, Sova, Moyer, Kozubík, Kolář, Ehrmann, Hyršlová Vaculová: "Platinum(IV) complex LA-12 exerts higher ability than cisplatin to enhance TRAIL-induced cancer cell apoptosis via stimulation of mitochondrial pathway." in: **Biochemical pharmacology**, Vol. 92, Issue 3, pp. 415-24, (2014) ([PubMed](#)).

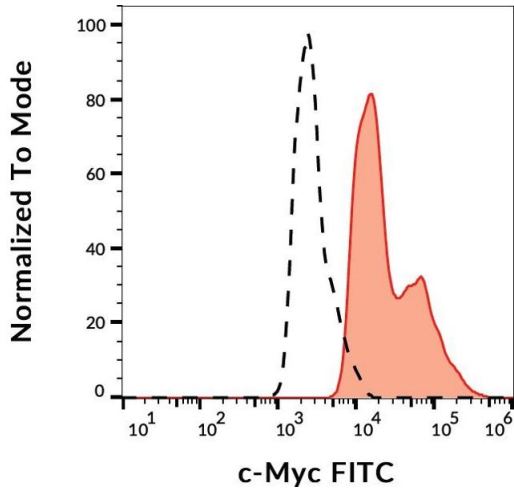
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Wang, Campoli, Ko, Luo, Ferrone: "Enhancement of scFv fragment reactivity with target antigens in binding assays following mixing with anti-tag monoclonal antibodies." in: **Journal of immunological methods**, Vol. 294, Issue 1-2, pp. 23-35, (2004) ([PubMed](#)).

Fujiwara, Poikonen, Aleman, Valtavaara, Saksela, Mayer: "A single-chain antibody/epitope system for functional analysis of protein-protein interactions." in: **Biochemistry**, Vol. 41, Issue 42, pp. 12729-38, (2002) ([PubMed](#)).

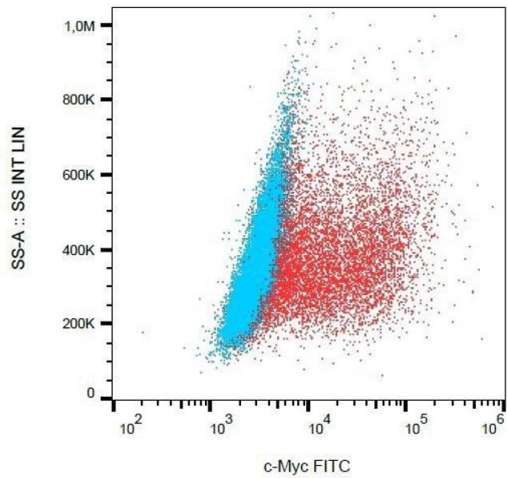
Baggio, Burgstaller, Hale, Putney, Lane, Lipovsek, Wright, Roberts, Liu, Szostak, Wagner: "Identification of epitope-like consensus motifs using mRNA display." in: **Journal of molecular recognition : JMR**, Vol. 15, Issue 3, pp. 126-34, (2002) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



Flow Cytometry

Image 1. Flow cytometry analysis (intracellular staining) of transfected LST-1-c-Myc in HEK-293 cells (red-filled) compared with nontransfected HEK-293 cells (black-dashed) using mouse monoclonal anti-c-Myc (9E10) FITC.



Flow Cytometry

Image 2. Detection of transfected LST-1-c-Myc in HEK-293 cells (red) compared with nontransfected HEK-293 cells (blue) using mouse monoclonal anti-c-Myc (9E10) FITC.