

c-Myc Oncoprotein Antibody

Mouse Monoclonal Antibody [Clone 9E10.3]

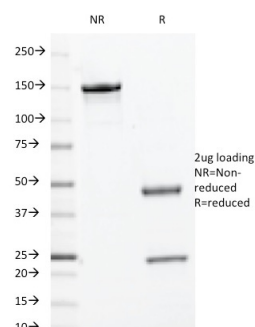
Catalog No	Format	Size
4609-MSM4-P0	Purified Ab with BSA and Azide	200ug/ml
4609-MSM4-P1	Purified Ab with BSA and Azide	200ug/ml
4609-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Flow Cytometry (Flow)	1-2ug/million cells
Immunofluorescence (IF)	1-3ug/ml
Immunohistochemistry (IHC)	1-2ug/ml

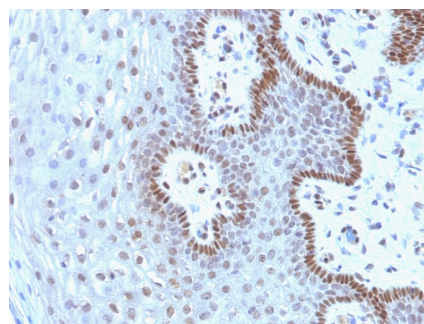
Product Details	
Clone	9E10.3
Gene Name	MYC
Immunogen	A synthetic peptide, corresponding to aa 408-439 (AEEQKLISEEDLLRKRREQLKHKLEQLRNSCA) from C-terminus of human c-myc, coupled to KLH.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	62-64kDa
Cellular Localization	Nucleolus, Nucleoplasm, Nucleus
Species Reactivity	Human
Positive Control	HL-60 cells. Cervical Carcinoma.

**Optimal dilution for a specific application should be determined.*

Product Images for c-Myc Oncoprotein Antibody



SDS-PAGE Analysis of Purified c-Myc Mouse Monoclonal Antibody (9E10.3). Confirmation of Integrity and Purity of Antibody



Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with c-Myc Mouse Monoclonal Antibody (9E10.3).

Specificity & Comments

It recognizes a transcription factor of 64-67kDa, identified as c-myc. Its epitope spans between aa 410-419 (EQKLISEEDL) which is a specific portion of an alpha helical region of human c-myc protein. This MAb shows no cross-reaction with v-myc. c-myc is involved in the control of cell proliferation and differentiation and is amplified and/or overexpressed in a variety of tumors. Over-expression of c-myc protein occurs frequently in luminal cells of prostate intraepithelial neoplasia as well as in most primary carcinomas and metastatic disease.

Research Areas

Apoptosis, Autophagy, Breast Cancer, Cancer, Cardiovascular, Developmental Biology, Hypoxia, Immunology, Bladder Cancer, Colon Cancer, Cytokine Signaling, Infectious Disease, Lung Cancer, MAPK Signaling, Nuclear Marker, Signal Transduction, Stem Cell Differentiation, Transcription Factors

Known Applications & Suggested Dilutions

Flow Cytometry (1-2ug/million cells) | Immunofluorescence (1-2ug/ml) | Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
