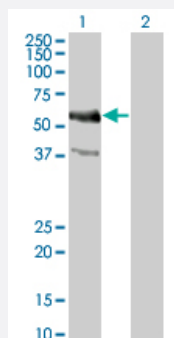


MYC monoclonal antibody (M02), clone 1G7

Catalog # H00004609-M02

Size 100 ug

Applications

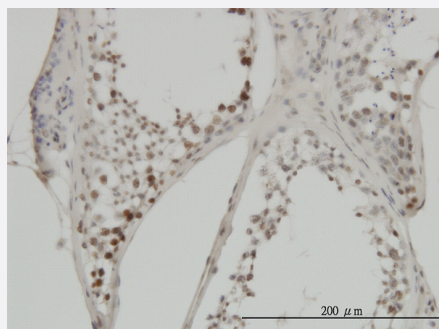


Western Blot (Transfected lysate)

Western Blot analysis of MYC expression in transfected 293T cell line by MYC monoclonal antibody (M02), clone 1G7.

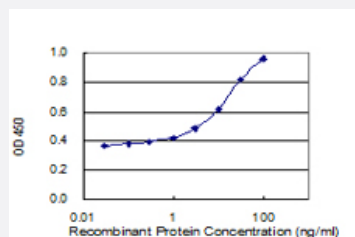
Lane 1: MYC transfected lysate (49.561 KDa).

Lane 2: Non-transfected lysate.



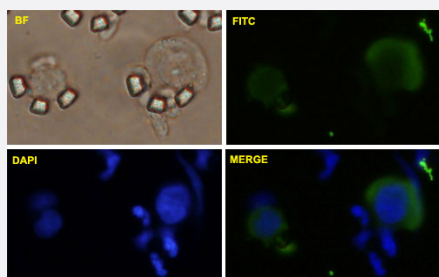
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MYC on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]



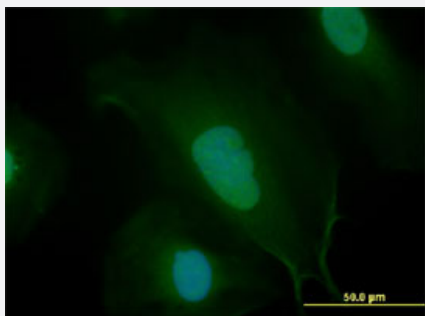
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MYC is 0.3 ng/ml as a capture antibody.



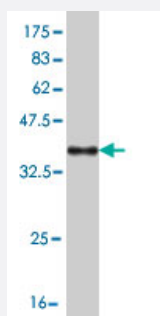
Immunofluorescence (Circulating Tumor Cell)

HeLa cells were stained with MYC-FITC labeled monoclonal antibody (Green). The cell nucleus were counterstained with DAPI (Blue).



Immunofluorescence

Immunofluorescence of monoclonal antibody to MYC on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MYC.
Immunogen	MYC (NP_002458, 330 a.a. ~ 439 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	VRVLRQISNNRKCTSPRSSDTEENVKRRTHNVLERQRRNELKRSFFALRDQIPELENNEKAPKVVI LKKATAYILSVQAEEQKLISEEDLLRKRREQLKHKLEQLRNSCA
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (94)
Isotype	IgG3 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of MYC expression in transfected 293T cell line by MYC monoclonal antibody (M02), clone 1G7.

Lane 1: MYC transfected lysate(49.561 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MYC on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MYC is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence (Circulating Tumor Cell)

HeLa cells were stained with MYC-FITC labeled monoclonal antibody (Green). The cell nucleus were counterstained with DAPI (Blue).

- Immunofluorescence

Immunofluorescence of monoclonal antibody to MYC on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — MYC

Entrez GeneID	4609
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GeneBank Accession#	NM_002467
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Protein Accession#	NP_002458
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Gene Name	MYC
Gene Alias	bHLHe39, c-Myc
Gene Description	v-myc myelocytomatosis viral oncogene homolog (avian)
Omim ID	113970 190080
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. It functions as a transcription factor that regulates transcription of specific target genes. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemia and lymphomas, including Burkitt lymphoma. There is evidence to show that alternative translation initiations from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site result in the production of two isoforms with distinct N-termini. The synthesis of non-AUG initiated protein is suppressed in Burkitt's lymphomas, suggesting its importance in the normal function of this gene. [provided by RefSeq]
Other Designations	avian myelocytomatosis viral oncogene homolog myc proto-oncogene protein v-myc avian myelocytomatosis viral oncogene homolog

Publication Reference

- [From midbody protein-protein interaction network construction to novel regulators in cytokinesis.](#)

Chen TC, Lee SA, Hong TM, Shih JY, Lai JM, Chiou HY, Yang SC, Chan CH, Kao CY, Yang PC, Huang CY.

Journal of Proteome Research 2009 Nov; 8(11):4943.

Application: IF, Human, CL1-0, HeLa cells

Pathway

- [Acute myeloid leukemia](#)
- [Bladder cancer](#)
- [Cell cycle](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)

- [Jak-STAT signaling pathway](#)
- [MAPK signaling pathway](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)
- [TGF-beta signaling pathway](#)
- [Thyroid cancer](#)
- [Wnt signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chromosome Aberrations](#)
- [Colorectal Neoplasms](#)
- [Diabetes Complications](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)

- [Metabolic Syndrome X](#)
- [Mouth Neoplasms](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Thyroid Diseases](#)
- [Thyroid Neoplasms](#)
- [Translocation](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)