

For Research Use Only

# c-MYC Monoclonal antibody, PBS Only

Catalog Number: 67447-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

67447-1-PBS

**Size:**

100ug, Concentration: 1mg/ml by Nanodrop;

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG17519

**GenBank Accession Number:**

BC000141

**GeneID (NCBI):**

4609

**UNIPROT ID:**

P01106

**Full Name:**

v-myc myelocytomatosis viral oncogene homolog (avian)

**Calculated MW:**

49 kDa

**Observed MW:**

55-60 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

3D9C12

## Applications

**Tested Applications:**

WB, IHC, FC (Intra), ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

MYC contains one basic helix-loop-helix (bHLH) domain. This protein 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. It seems to activate the transcription of growth-related genes. It binds DNA in a non-specific manner, yet also specifically recognizes the core sequence 5'-CAC[GA]TG-3'. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

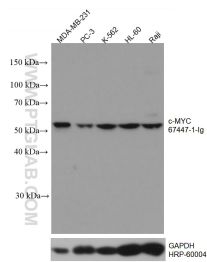
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

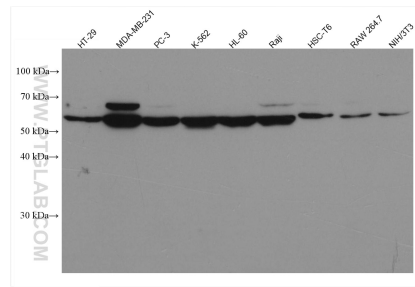
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

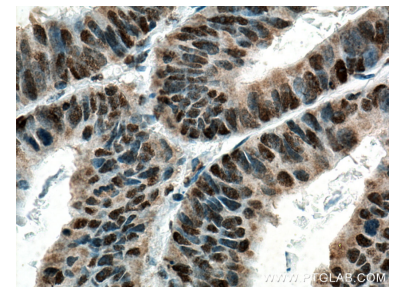
## Selected Validation Data



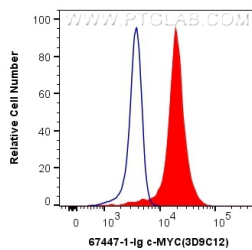
Various lysates were subjected to SDS PAGE followed by western blot with 67447-1-Ig (MYC antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67447-1-PBS in a different storage buffer formulation.



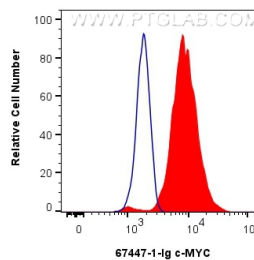
Various lysates were subjected to SDS PAGE followed by western blot with 67447-1-Ig (c-MYC antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67447-1-PBS in a different storage buffer formulation.



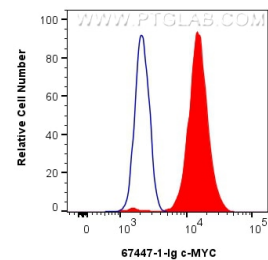
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67447-1-Ig (c-MYC antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67447-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> K-562 cells were intracellularly stained with 0.4 ug Anti-Human c-MYC (67447-1-Ig, Clone:3D9C12) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 67447-1-PBS



1x10<sup>6</sup> NCCIT cells were intracellularly stained with 0.25 ug c-MYC Monoclonal antibody (67447-1-Ig, Clone:3D9C12) and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.25 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 67447-1-PBS in a different storage



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug c-MYC Monoclonal antibody (67447-1-Ig, Clone:3D9C12) and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.25 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 67447-1-PBS in a different storage