

For Research Use Only

PE-conjugated c-MYC Monoclonal antibody



Catalog Number: PE-67447

Featured Product

Basic Information

Catalog Number:

PE-67447

Size:

200 µg/ml

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 G purification

CloneNo.:

3D9C12

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC (Intra)

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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 0.5% BSA.

Aliquoting is unnecessary for -20°C storage

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

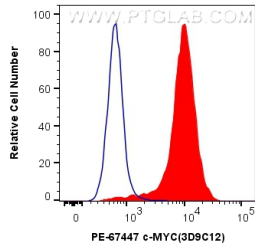
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ K-562 cells were intracellularly stained with 0.4 ug PE Anti-Human c-MYC (PE-67447, Clone:3D9C12) (red), or 0.4 ug PE Mouse IgG1 Isotype Control (MOPC-21) (PE-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).