

For Research Use Only

CoraLite® Plus 488-conjugated c-MYC Monoclonal antibody



Catalog Number: CL488-67447

1 Publications

Basic Information

Catalog Number: CL488-67447	GenBank Accession Number: BC000141	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4609	CloneNo.: 3D9C12
Source: Mouse	Full Name: v-myc myelocytomatosis viral oncogene homolog (avian)	Excitation/Emission maximum wavelengths: 493 nm / 522 nm
Isotype: IgG1	Calculated MW: 49 kDa	
Immunogen Catalog Number: AG17519	Observed MW: 55-60 kDa	

Applications

Tested Applications:
FC (Intra)

Cited Applications:
FC

Species Specificity:
Human, mouse, rat

Cited Species:
mouse

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Xin Li	37788594	Int Immunopharmacol	FC

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

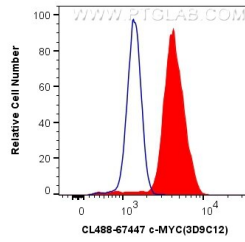
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

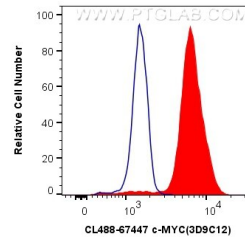
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 Coralite® Plus 488 Anti-Human c-MYC (CL488-67447, Clone:3D9C12) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



1X10⁶ K-562 cells were intracellularly stained with 0.8 ug Coralite® Plus 488 Anti-Human c-MYC (CL488-67447, Clone:3D9C12) (red), or 0.8 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).