

For Research Use Only

# MYC tag Monoclonal antibody

Catalog Number: 60003-2-Ig **313 Publications**



## Basic Information

Catalog Number:

60003-2-Ig

GenBank Accession Number:

GeneID (NCBI):

99

Size:

150ul , Concentration: 1000 ug/ml by Nanodrop;

Full Name:

Myc tag

Source:

Mouse

Isotype:

IgG1

Purification Method:

Protein G purification

CloneNo.:

1A5A2

Recommended Dilutions:

WB: 1:2000-1:10000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC: 1:500-1:2000

FC (Intra): 0.50 ug per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

Tested Applications:

WB, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:

WB, IF, IP, ColP, ChIP

Species Specificity:

recombinant protein

Cited Species:

human, pig

Positive Controls:

WB : recombinant protein,

IP : Transfected HEK-293 cells,

IF/ICC : Transfected HEK-293 cells,

FC (Intra) : Transfected HEK-293 cells,

## Background Information

Protein tags are protein or peptide sequences located either on the C- or N- terminal of the target protein, which facilitates one or several of the following characteristics: solubility, detection, purification, localization and expression. The c-Myc tag corresponds to amino acid residues(EQKLISEEDL) of the human c-Myc protein. It can be used for affinity chromatography, then used to separate recombinant, overexpressed protein from wild type protein expressed by the host organism. It can also be used in the isolation of protein complexes with multiple subunits. Myc-Tag mouse mAb detects recombinant proteins containing the Myc tag. The antibody recognizes the Myc-tag EQKLISEEDL fused to either the amino- or carboxy- terminus of targeted proteins.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaolin Wang	33117724	Front Cell Infect Microbiol	WB
Qi Yu	36167807	Nat Commun	WB
Xinyao Tian	36163170	Cell Death Dis	WB,IP

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

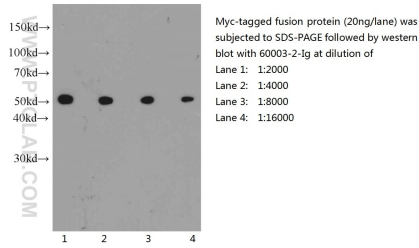
For technical support and original validation data for this product please contact:

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

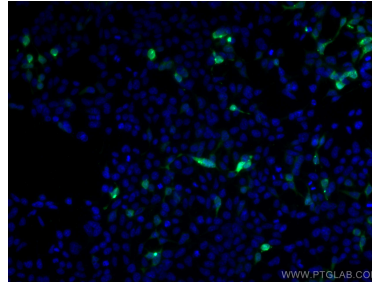
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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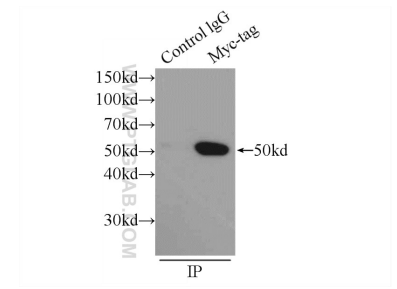
## Selected Validation Data



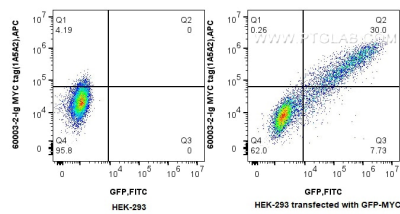
Western blot of Myc-tagged fusion protein with anti-Myc-tag (60003-2-Ig) at various dilutions.



Immunofluorescent analysis of (-20°C Ethanol) fixed Transfected HEK-293 cells using MYC tag antibody (60003-2-Ig, Clone: 1A5A2 ) at dilution of 1:1000 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



IP result of anti-MYC tag (IP:60003-2-Ig, 4ug; Detection:60003-2-Ig 1:10000) with Transfected HEK-293 cells lysate 300ug.



1x10<sup>6</sup> HEK-293 transfected with GFP-MYC were intracellularly stained with 0.25 ug MYC tag Monoclonal antibody (60003-2-Ig, Clone:1A5A2) and Multi-rAb CoraLite® Plus 647-Goat Anti-Mouse Recombinant Secondary Antibody (H+L)(RGAM005). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).