

For Research Use Only

# MYB/c-Myb Monoclonal antibody, PBS Only



Catalog Number: 68542-1-PBS

## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>68542-1-PBS                     | <b>GenBank Accession Number:</b><br>BC064955                             | <b>Purification Method:</b><br>Protein G purification |
| <b>Size:</b><br>100ug, Concentration: 1mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>4602  | <b>CloneNo.:</b><br>2C4A5                             |
| <b>Source:</b><br>Mouse                                   | <b>UNIPROT ID:</b><br>P10242   |   |
| <b>Isotype:</b><br>IgG1                                   | <b>Full Name:</b><br>v-myb myeloblastosis viral oncogene homolog (avian) |   |
| <b>Immunogen Catalog Number:</b><br>AG12021               | <b>Calculated MW:</b><br>640 aa, 72 kDa                                  |   |
|   | <b>Observed MW:</b><br>40-50 kDa, 72-80 kDa                              |   |

## Applications

**Tested Applications:**  
Indirect ELISA, WB

**Species Specificity:**  
human

## Background Information

The MYB protein is a transcription factor that plays a key role in regulating the proliferation/differentiation of progenitor cells in bone marrow, colonic crypts, and neurogenic niches [PMID:18574464]. It is involved in the regulation of epithelial-to-mesenchymal transition (EMT) and invasion in neuroblastoma, colon carcinoma, and embryonic kidney cells through the upregulation of the transcription repressor Slug [PMID:20622260]. It also a DNA-binding protein that specifically recognize the sequence 5'-YAAC[GT]G-3', and plays an important role in the control of proliferation and differentiation of hematopoietic progenitor cells. MYB exists some isoforms with MV 85, 75, 72, 68, 63 and 40 kDa.

## Storage

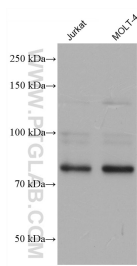
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

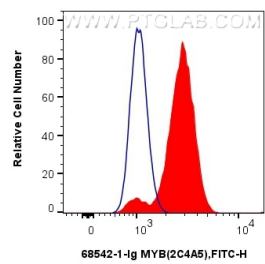
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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 68542-1-Ig (MYB/c-Myb antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68542-1-PBS in a different storage buffer formulation.



1X10<sup>6</sup> Jurkat cells were intracellularly stained with 0.4 ug Anti-Human MYB/c-Myb (68542-1-Ig, Clone:2C4A5) 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 True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 68542-1-PBS in a different storage