

For Research Use Only

# MYB/c-Myb Recombinant antibody

Catalog Number: 82804-2-RR



## Basic Information

Catalog Number:

82804-2-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12021

GenBank Accession Number:

BC064955

GeneID (NCBI):

4602

UNIPROT ID:

P10242

Full Name:

v-myb myeloblastosis viral oncogene

homolog (avian)

Calculated MW:

640 aa, 72 kDa

Observed MW:

40-50 kDa, 72-80 kDa

Purification Method:

Protein A purification

CloneNo.:

230179C11

Recommended Dilutions:

WB: 1:2000-1:10000

FC (Intra): 0.25 µg per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells, Jurkat cells, MOLT-4 cells, HT-29 cells

FC (Intra) : MCF-7 cells,

## 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 -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

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

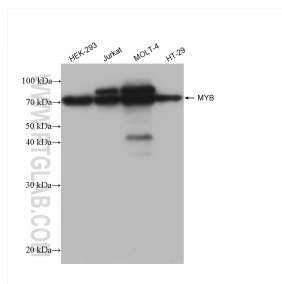
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

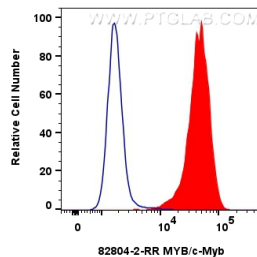
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82804-2-RR (MYB antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.25 ug MYB/c-Myb Recombinant antibody (82804-2-RR, Clone:230179C11) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).