

For Research Use Only

MYB/c-Myb Monoclonal antibody, PBS Only



Catalog Number: 68542-1-PBS

Basic Information

Catalog Number:

68542-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

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 G purification

CloneNo.:

2C4A5

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

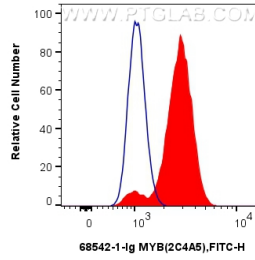
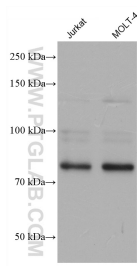
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Selected Validation Data



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.

1×10^6 Jurkat cells were intracellularly stained with 0.4 μ g 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 μ g 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