

For Research Use Only

MYB/c-Myb Monoclonal antibody

Catalog Number: 68542-1-Ig



Basic Information

Catalog Number: 68542-1-Ig	GenBank Accession Number: BC064955	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4602	CloneNo.: 2C4A5
Source: Mouse	Full Name: v-myb myeloblastosis viral oncogene homolog (avian)	Recommended Dilutions: 1:2000-1:10000
Isotype: IgG1	Calculated MW: 640 aa, 72 kDa	
Immunogen Catalog Number: AG12021	Observed MW: 40-50 kDa, 72-80 kDa	

Applications

Tested Applications: FC, WB, ELISA	Positive Controls: WB : Jurkat cells, MOLT-4 cells
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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

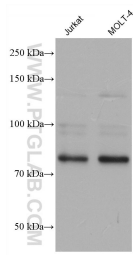
For technical support and original validation data for this product please contact:

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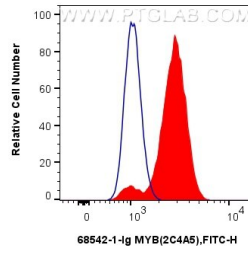
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Selected Validation Data



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.



1X10⁶ 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.