

For Research Use Only

PML Recombinant antibody

Catalog Number: 85048-5-RR



Basic Information

Catalog Number: 85048-5-RR	GenBank Accession Number: BC020994	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5371	CloneNo.: 242564C10
Source: Rabbit	UNIPROT ID: P29590	Recommended Dilutions: IF/ICC 1:250-1:1000
Isotype: IgG	Full Name: promyelocytic leukemia	
Immunogen Catalog Number: AG15377	Calculated MW: 882 aa, 98 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra), ELISA	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human	

Background Information

PML, also named as MYL, RNF71 and TRIM19, is a member of RBCC/TRIM family of proteins that possess a RING finger domain, B-box, and coiled-coil domain. It functions as tumor suppressor. PML is required for normal, caspase-dependent apoptosis in response to DNA damage, FAS, TNF, or interferons. It plays a role in transcription regulation, DNA damage response, DNA repair and chromatin organization. PML plays a role in processes regulated by retinoic acid, regulation of cell division, terminal differentiation of myeloid precursor cells and differentiation of neural progenitor cells. It regulates PTEN compartmentalization through the inhibition of USP7-mediated deubiquitylation.

Storage

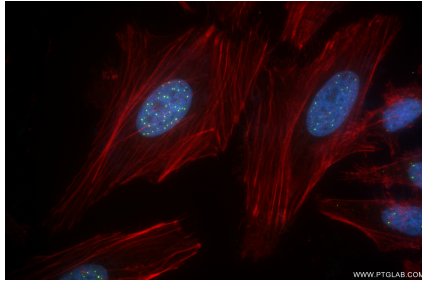
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

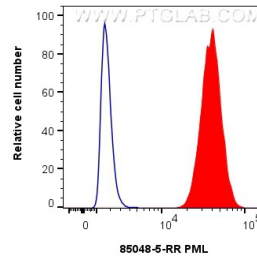
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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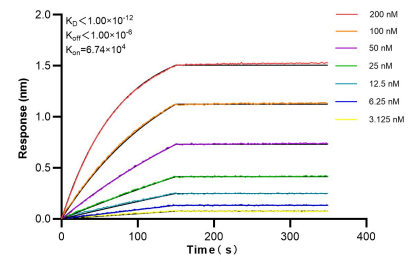
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PML antibody (85048-5-RR, Clone: 242564C10) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10⁶ A431 cells were intracellularly stained with 0.25 ug PML Recombinant antibody (85048-5-RR, Clone:242564C10) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 85048-5-RR against Human PML were performed. The affinity constant is below 1 pM.