

For Research Use Only

# PML Recombinant antibody, PBS Only

Catalog Number: 85048-5-PBS



## Basic Information

Catalog Number: 85048-5-PBS	GenBank Accession Number: BC020994	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 5371	CloneNo.: 242564C10
Source: Rabbit	UNIPROT ID: P29590	
Isotype: IgG	Full Name: promyelocytic leukemia	
Immunogen Catalog Number: AG15377	Calculated MW: 882 aa, 98 kDa	

## Applications

Tested Applications:  
IF/ICC, FC (Intra), Indirect ELISA

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

Storage Buffer:  
PBS only, pH7.3

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

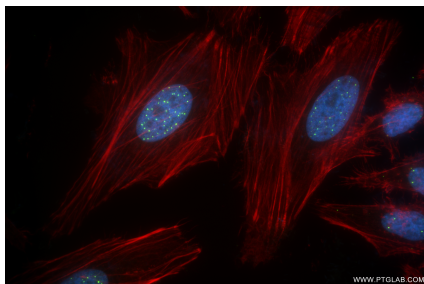
T: 4006900926

E: Proteintech-CN@ptglab.com

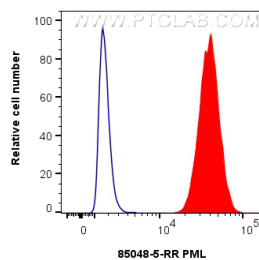
W: ptgcn.com

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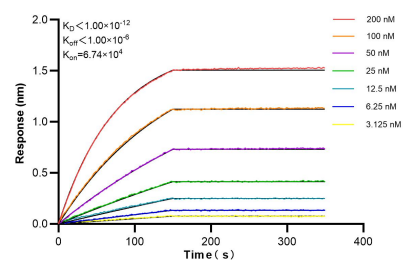
## Selected Validation Data



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), CLS94-Phalloidin (red). This data was developed using the same antibody clone with 85048-5-PBS in a different storage buffer formulation.



1x10<sup>6</sup> 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). This data was developed using the same antibody clone with 85048-5-PBS in a different storage buffer



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