

For Research Use Only

PML Recombinant antibody, PBS Only

Catalog Number: 85048-5-PBS



Basic Information

Catalog Number:

85048-5-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15377

GenBank Accession Number:

BC020994

GeneID (NCBI):

5371

UNIPROT ID:

P29590

Full Name:

promyelocytic leukemia

Calculated MW:

882 aa, 98 kDa

Purification Method:

Protein A purification

CloneNo.:

242564C10

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.

Storage Buffer:

PBS only, pH7.3

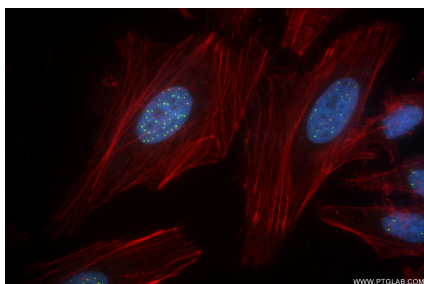
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

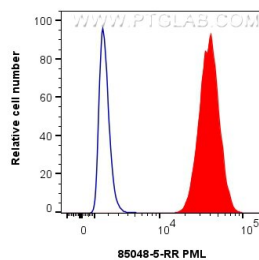
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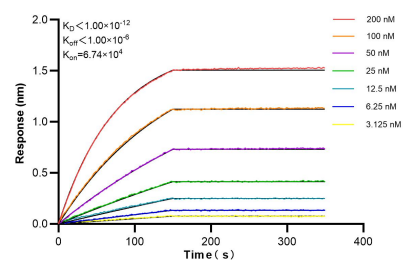
Selected Validation Data



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.



1×10^6 A431 cells were intracellularly stained with 0.25 μ g PML Recombinant antibody (85048-5-RR, Clone: 242564C10) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 μ g 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



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