

For Research Use Only

# Pericentrin Monoclonal antibody

Catalog Number:60919-1-Ig



## Basic Information

Catalog Number:

60919-1-Ig

Size:

150ul , Concentration: 1000 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgM

Immunogen Catalog Number:

AG27248

GenBank Accession Number:

AK093923

GeneID (NCBI):

5116

UNIPROT ID:

O95613

Full Name:

pericentrin

Calculated MW:

378 kDa

Purification Method:

Caprylic acid/ammonium sulfate precipitation

CloneNo.:

1G6F11

Recommended Dilutions:

IF/ICC: 1:2000-1:8000

FC (Intra): 0.2 µg per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

Tested Applications:

IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : HeLa cells,

FC (Intra) : Hela cells,

## Background Information

Pericentrin (PCNT) is a large, highly conserved centrosomal protein essential for organizing the pericentriolar material (PCM)-the matrix surrounding the centrioles that nucleates and anchors microtubules. It acts as a scaffold that recruits and positions key regulatory complexes, including  $\gamma$ -tubulin ring complexes ( $\gamma$ -TuRCs), protein kinase A (PKA) and dynein, thereby orchestrating microtubule nucleation, spindle assembly and centrosome maturation throughout the cell cycle

## 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

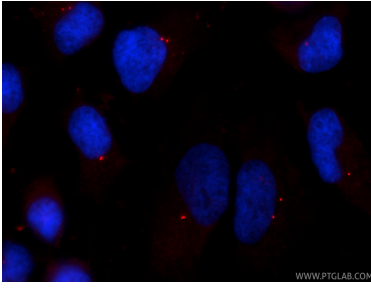
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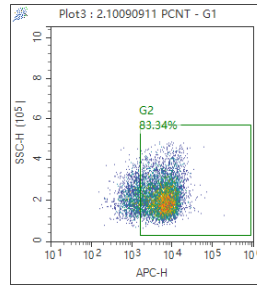
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Pericentrin antibody (60919-1-Ig, Clone: 1G6F11) at dilution of 1:4000 and CoraLite®594-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-3).



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.2  $\mu$ g Pericentrin Monoclonal antibody (60919-1-Ig, Clone:1G6F11) and Multi-rAb CoraLite® Plus 647-Goat Anti-Mouse Recombinant Secondary Antibody (H+L)(RGAM005)(N/A), or 0.2  $\mu$ g Mouse IgM Isotype Control (65243-1-Ig, Clone: MOPC-104E) (N/A). Cells were fixed with 4% PFA .