

For Research Use Only

# Biotin-conjugated FBL Monoclonal antibody

Catalog Number: Biotin-66985



## Basic Information

Catalog Number:

Biotin-66985

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG8841

GenBank Accession Number:

BC019260

GeneID (NCBI):

2091

UNIPROT ID:

P22087

Full Name:

fibrillarin

Calculated MW:

321 aa, 34 kDa

Observed MW:

34 kDa

Purification Method:

Protein G purification

CloneNo.:

3A9E8

Recommended Dilutions:

FC (Intra): 0.4 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

-

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

FC (Intra) : HeLa cells,

## Background Information

Fibrillarin (Fbl) is an essential nucleolar protein that plays an essential role in ribosome biogenesis and more particularly in the methylation of ribosomal RNAs and rDNA histones. FBL is highly expressed in various cancers and correlates with poor survival outcomes in cancer patients, such as hepatocellular carcinoma (PMID: 33376525). Knockdown of FBL sensitizes tumor cells and xenografts to DNA crosslinking agents, and leads to homologous recombination-mediated DNA repair defects (PMID: 37489617).

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

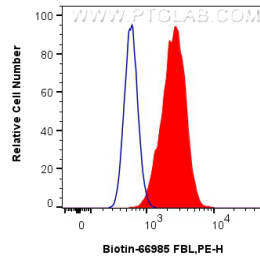
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W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.4 ug Biotin FBL Monoclonal Antibody (Biotin-66985, Clone:3A9E8) and SA-PE(red). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).