

For Research Use Only

# CoraLite® Plus 647-conjugated FBL Monoclonal antibody

Catalog Number:CL647-66985



## Basic Information

Catalog Number:

CL647-66985

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

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:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HepG2 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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

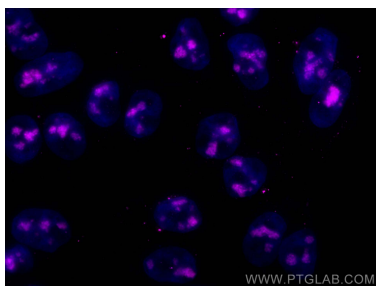
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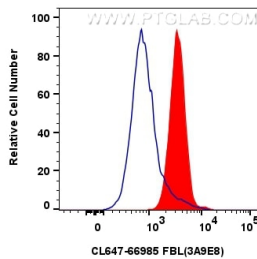
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 647 FBL antibody (CL647-66985, Clone: 3A9E8 ) at dilution of 1:200.



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 647 Anti-Human FBL (CL647-66985, Clone:3A9E8)(red), or 0.4 ug CoraLite® Plus 647 Mouse IgG1 Isotype Control (MOPC-21) (CL647-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).