

# CoraLite® Plus 488-conjugated FBL Monoclonal antibody

Catalog Number: **CL488-66985**

## Basic Information

**Catalog Number:**

CL488-66985

**Size:**

1000 µg/ml

**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:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC, FC (Intra)

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

IF/ICC : HeLa cells, 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:**

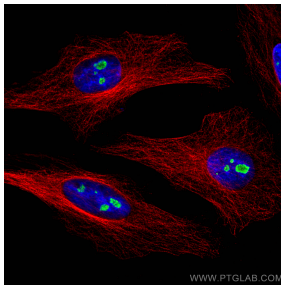
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

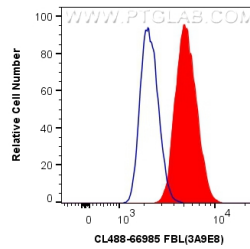
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 FBL antibody (CL488-66985, Clone: 3A9E8 ) at dilution of 1:200, Alpha Tubulin antibody (11224-1-AP, red).



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human FBL (CL488-66985, Clone:3A9E8) (red), or 0.8 ug CoraLite® Plus 488 Mouse IgG1 Isotype Control (MOPC-21) (CL488-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).