

# CoraLite® Plus 555-conjugated FBL Monoclonal antibody

Catalog Number: **CL555-66985**

## Basic Information

**Catalog Number:**

CL555-66985

**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:**

554 nm / 570 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

Human, rat, mouse

**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:**

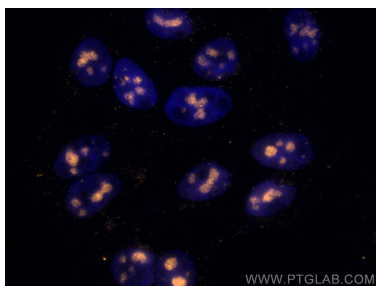
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

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

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 555 FBL antibody (CL555-66985, Clone: 3A9E8 ) at dilution of 1:200.