

For Research Use Only

CoraLite® Plus 488-conjugated IMP3 Monoclonal antibody



Catalog Number: CL488-66247

Basic Information

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|---|---|---|
| Catalog Number: CL488-66247 | GenBank Accession Number: BC020557 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 55272 | CloneNo.: 1E7D6 |
| Source: Mouse | Full Name: IMP3, U3 small nucleolar ribonucleoprotein, homolog (yeast) | Recommended Dilutions: IF 1:50-1:500 |
| Isotype: IgG2b | Calculated MW: 184 aa, 22 kDa | Excitation/Emission maxima wavelengths: 488 nm / 515 nm |
| Immunogen Catalog Number: AG23602 | Observed MW: 22 kDa | |

Applications

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| Tested Applications: FC (Intra), IF | Positive Controls: IF : HepG2 cells, |
| Species Specificity: human | |

Background Information

IMP3 is a member of the insulin-like growth factor (IGF-II) mRNA binding protein (IMP) family that consist of IMP1, IMP2, and IMP3. IMP3 is an oncofetal protein associated with aggressive and advanced tumors and is specifically expressed in malignant tumors but not found in benign tissues [PMID:22497850]. IMP3 forms a ternary complex with IMP4 and MPP10 (MPHOSPH10) that interacts with U3 small nucleolar RNA (snoRNA), which is required for the early cleavage steps in pre-rRNA processing [PMID: 12655004]. CoraLite488-Conjugated IMP3 antibody can stain green. Ex: 488nm, Em: 515nm

Storage

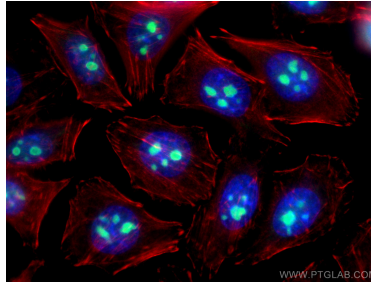
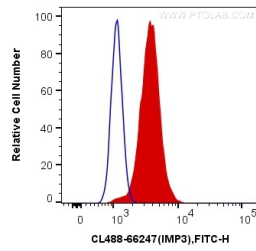
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HepG2 cells were intracellularly stained with 0.2 ug CoraLite® Plus 488 Anti-Human IMP3 (CL488-66247, Clone:1E7D6) (red), or 0.2 ug Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).

Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488-conjugated IMP3 antibody (CL488-66247, Clone: 1E7D6) at dilution of 1:100, CL594-Phalloidin (red).