

For Research Use Only

# CoraLite® Plus 647-conjugated IMP3 Monoclonal antibody

Catalog Number: CL647-66247



## Basic Information

<b>Catalog Number:</b> CL647-66247	<b>GenBank Accession Number:</b> BC020557	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 55272	<b>CloneNo.:</b> 1E7D6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9NV31	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG2b	<b>Full Name:</b> IMP3, U3 small nucleolar ribonucleoprotein, homolog (yeast)	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Immunogen Catalog Number:</b> AG23602	<b>Calculated MW:</b> 184 aa, 22 kDa	
	<b>Observed MW:</b> 22 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra)	<b>Positive Controls:</b> IF/ICC : HepG2 cells,
<b>Species Specificity:</b> human, mouse	

## 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].

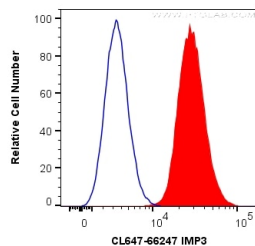
## Storage

**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

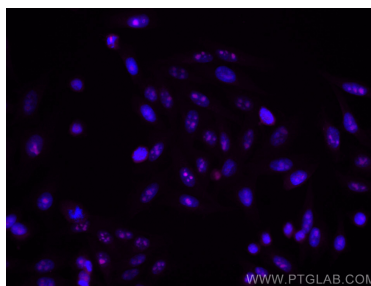
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## Selected Validation Data



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.2  $\mu$ g CoraLite® Plus 647 Anti-Human IMP3 (CL647-66247, Clone:1E7D6) (red), or 0.2  $\mu$ g isotype control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 647 IMP3 antibody (CL647-66247, Clone: 1E7D6 ) at dilution of 1:200.