

For Research Use Only

# CoraLite® Plus 488-conjugated TOE1 Monoclonal antibody



Catalog Number: **CL488-67829**

## Basic Information

<b>Catalog Number:</b> CL488-67829	<b>GenBank Accession Number:</b> BC009364	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 114034	<b>CloneNo.:</b> 2C10H7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q96GM8	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Full Name:</b> target of EGR1, member 1 (nuclear)	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG28982	<b>Calculated MW:</b> 510 aa, 57 kDa	
	<b>Observed MW:</b> 57 kDa	

## Applications

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

## Background Information

TOE1, also known as hCaf1z, belongs to the DEDD family of deadenylases. TOE1 was initially identified as a direct target gene of ERG1, an immediate early transcription factor. TOE1 encodes an Asp-Glu-Asp-Asp deadenylase that specifically localizes to Cajal bodies in the nucleus, where assembly and maturation of small nuclear ribonucleoprotein particles, and telomerase ribonucleoprotein complex take place (PMID: 36257135). TOE1 has 2 isoforms with the molecular mass of 48 and 57 kDa.

## 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

For technical support and original validation data for this product please contact:

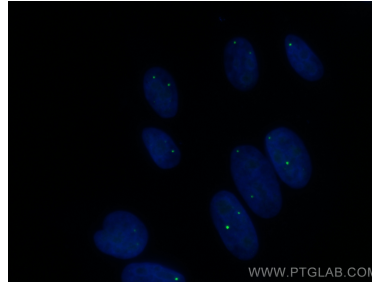
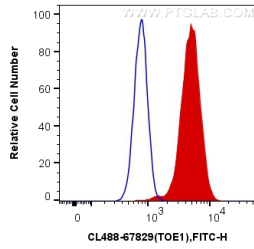
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## Selected Validation Data



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human TOE1 (CL488-67829, Clone:2C10H7) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL488-66360-2, Clone: K11A1B2A2) (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 TOE1 antibody (CL488-67829, Clone: 2C10H7) at dilution of 1:200.