

For Research Use Only

CoraLite® Plus 488-conjugated TUFM Monoclonal antibody

Catalog Number: CL488-67802



Basic Information

Catalog Number: CL488-67802	GenBank Accession Number: BC010041	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 7284	CloneNo.: 2A10D2
Source: Mouse	UNIPROT ID: P49411	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG2a	Full Name: Tu translation elongation factor, mitochondrial	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG24976	Calculated MW: 50 kDa	

Applications

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

Background Information

TUFM, also named as Elongation factor Tu, mitochondrial, is a 452 amino acid protein, which contains 1 tr-type G (guanine nucleotide-binding) domain and belongs to the TRAFAC class translation factor GTPase superfamily. TUFM localizes in the Mitochondrion and promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.

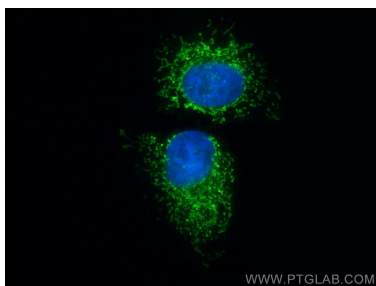
Storage

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

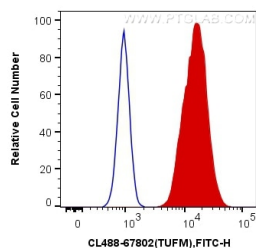
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 TUFM antibody (CL488-67802, Clone: 2A10D2) at dilution of 1:200.



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human TUFM (CL488-67802, Clone:2A10D2) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).