

For Research Use Only

CoraLite® Plus 488-conjugated Tom22 Monoclonal antibody



Catalog Number:CL488-66562

Basic Information

Catalog Number: CL488-66562	GenBank Accession Number: BC009363	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 56993	CloneNo.: 1C2B11
Source: Mouse	UNIPROT ID: Q9NS69	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Full Name: translocase of outer mitochondrial membrane 22 homolog (yeast)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG1797	Calculated MW: 15 kDa	
	Observed MW: 22 kDa	

Applications

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

Background Information

TOMM22 is a central receptor component of the translocase of the outer membrane of mitochondria responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. It is showed in UniProt that phosphorylation is performed at three positions of this protein which may increase the molecular weight. Catalog#66562-1-Ig recognises the 22 kDa protein larger than the calculated MW which is 15 kDa. Besides, it has been reported the MV of TOMM22 is 22 kDa (PMID:19285029).

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:

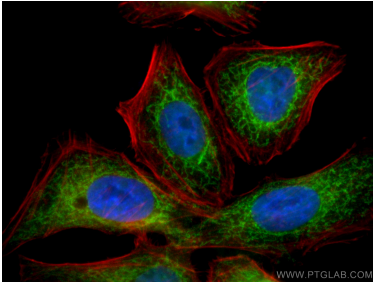
T: 4006900926

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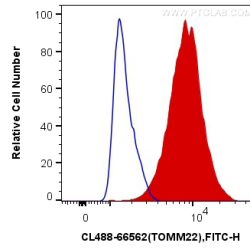
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488-conjugated Tom22 antibody (CL488-66562, Clone: 1C2B11) at dilution of 1:200, CL594-Phalloidin (red).



1X10⁶ HEK-293 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human Tom22 (CL488-66562, Clone:1C2B11) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL488-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).