

For Research Use Only

CoraLite® Plus 488-conjugated TMEM74 Monoclonal antibody



Catalog Number: **CL488-67773**

Basic Information

Catalog Number: CL488-67773	GenBank Accession Number: BC030710	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 157753	CloneNo.: 2H1B7
Source: Mouse	UNIPROT ID: Q96NL1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG1	Full Name: transmembrane protein 74	
Immunogen Catalog Number: AG22359	Calculated MW: 305 aa, 33 kDa	
	Observed MW: 33 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human

Background Information

Transmembrane protein 74 (TMEM74), plays an essential role in autophagy during cell starvation and other stress conditions. TMEM74 is localized to the lysosome and autophagosome. It has been reported that TMEM74-induced autophagy may be associated with PI3K signal transduction. (PMID: 19029833, 18294959)

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:

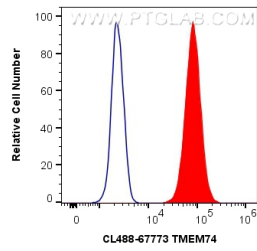
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HEK-293 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human TMEM74 (CL488-67773, Clone:2H1B7) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).