

For Research Use Only

CoraLite® Plus 647-conjugated CD107b / LAMP2 Recombinant monoclonal antibody

Catalog Number:**CL647-86269-3**



Basic Information

Catalog Number:	CL647-86269-3	GenBank Accession Number:	Purification Method:
Size:	100ul , Concentration: 1000 ug/ml by Nanodrop;	GenID (NCBI):	Protein A purification
Source:	Rabbit	ENSEMBL Gene ID:	CloneNo.:
Isotype:	IgG	UNIPROT ID:	250948D7
Immunogen Catalog Number:	EG4998	Full Name:	Recommended Dilutions:
		lysosomal-associated membrane protein 2	IF/ICC: 1:50-1:500
		Calculated MW:	Excitation/Emission maxima wavelengths:
		45 kDa	654 nm / 674 nm
		Observed MW:	
		100-130 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : U-251 cells,
Species Specificity: human	

Background Information

LAMP2 (CD107b) is a Lysosomal membrane glycoprotein. LAMP2 is extensively glycosylated with asparagine-linked oligosaccharides which protect it from intracellular proteolysis (PMID: 10521503). Although LAMP-2 is localized primarily in the endosome-lysosomal membrane of cells, it is also found on the plasma membrane under certain circumstances, e.g., after platelet activation, during granulocytic differentiation and activation, and in some tumor cells (PMID: 12221139). LAMP is involved in lysosomal stability and autophagy (PMID: 12221139). This glycoprotein provides selectins with carbohydrate ligands. LAMP2 may play a role in tumor cell metastasis (PMID 9426697).

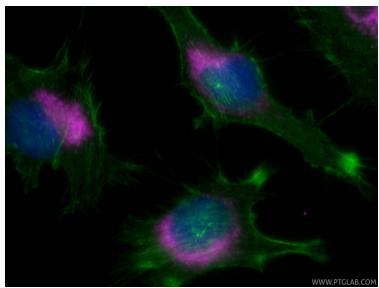
Storage

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, pH7.3
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 (-20°C Ethanol) fixed U-251 cells using Coralite® Plus 647 CD107b / LAMP2 antibody (CL647-86269-3, Clone: 250948D7) at dilution of 1:200, CL488-phalloidin (green).