

For Research Use Only

CoraLite®594 Anti-Human CD107b (H4B4)



Catalog Number:CL594-65053

Basic Information

Catalog Number: CL594-65053	GenBank Accession Number: BC002965	Purification Method: Protein G purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 3920	CloneNo.: H4B4
Source: Mouse	Full Name: lysosomal-associated membrane protein 2	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 45 kDa	Excitation/Emission maxima wavelengths: 593 nm/614 nm

Applications

Tested Applications: IF, FC	Positive Controls: IF : HeLa 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 2-8°C. Avoid exposure to light.
Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

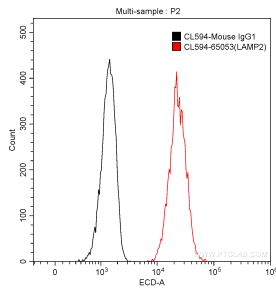
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

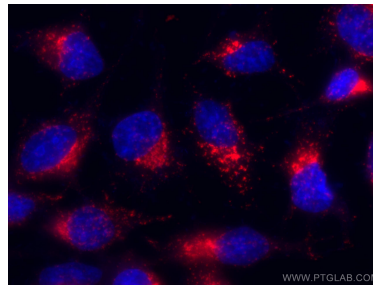
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ Jurkat cells were intracellularly stained with 5 μ l CoraLite[®]594-conjugated Anti-Human CD107b (CL594-65053, Clone: H4B4) (red) or isotype control antibody (black). Cells were fixed with 90% MeOH.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite[®]594-conjugated CD107b antibody (CL594-65053, Clone: H4B4) at dilution of 1:50.