For Research Use Only

CoraLite® Plus 555 Anti-Human CD107b / LAMP2 (H4B4)

Catalog Number:CL555-65053

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL555-65053

Size:
100tests , 5 ul/test

Source:
Mouse

Isotype:
IgG1, kappa

GenBank Accession Number:
BC002965

GeneID (NCBI):
3920

ENSEMBL Gene ID:
ENSG00000005893

UNIPROT ID:
P13473

Full Name:
lysosomal-associated membrane protein 2

Calculated MW:
45 kDa

Purification Method:
Protein G purification

CloneNo.:
H4B4

Recommended Dilutions:
FC (Intra): 5 ul per 10^6 cells in 100 µl suspension

Excitation/Emission maxima wavelengths:
554 nm / 570 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human

Positive Controls:

FC (Intra) : Jurkat cells,

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).

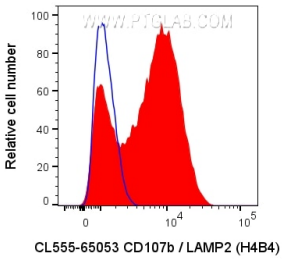
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

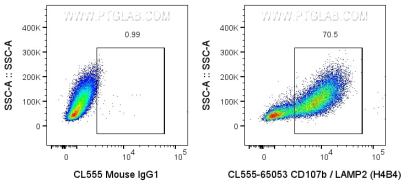
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10^6 Jurkat cells were intracellularly stained with 5 ul CoraLite® Plus 555 Anti-Human CD107b / LAMP2 (CL555-65053, Clone: H4B4) (red) or CoraLite®555 Mouse IgG1 Isotype Control (CL555-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



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