

For Research Use Only



CoraLite® Plus 488 Anti-Human CD107b / LAMP2 (H4B4) Mouse IgG2a Recombinant Antibody

Catalog Number:CL488-65566

Basic Information

Catalog Number: CL488-65566	GenBank Accession Number: BC002965	Purification Method: Protein A purification
Concentration: 100tests, 5 ul/test	GeneID (NCBI): 3920	CloneNo.: H4B4
Source: Mouse	ENSEMBL Gene ID: ENSG00000005893	Recommended Dilutions: FC (Intra): 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG2a	UNIPROT ID: P13473	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Full Name: lysosomal-associated membrane protein 2	
	Calculated MW: 45 kDa	

Applications

Tested Applications: FC (Intra)	Positive Controls: FC (Intra) : Jurkat 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).

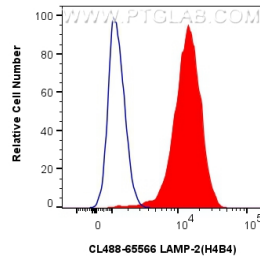
Storage

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

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



1x10⁶ Jurkat cells were intracellularly stained with CoraLite® Plus 488 Anti-Human CD107b / LAMP2 (H4B4) Mouse IgG2a Recombinant Antibody (CL488-65566, Clone: H4B4) (red) or CoraLite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.