

For Research Use Only

Anti-Human CD107a / LAMP1 (H4A3) Mouse IgG2a Recombinant Antibody

Catalog Number: 65596-1-MR



Basic Information

Catalog Number: 65596-1-MR	GenBank Accession Number: BC006345	Purification Method: Protein A purification
Concentration: 100ug, 1000 ug/ml	GeneID (NCBI): 3916	CloneNo.: H4A3
Source: Mouse	ENSEMBL Gene ID: ENSG00000185896	
Isotype: IgG2a	Full Name: lysosomal-associated membrane protein 1	
	Calculated MW: 45 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human

Background Information

LAMP1 (CD107a) is a heavily glycosylated membrane protein enriched in the lysosomal membrane. LAMP1 is extensively glycosylated with asparagine-linked oligosaccharides which protect it from intracellular proteolysis (PMID: 10521503). Although LAMP1 is expressed largely in the endosome-lysosomal membrane of cells, it is also found on the plasma membrane (PMID: 16168398). Elevated LAMP1 expression at the cell surface has also been detected during platelet and granulocytic cell activation, as well as in some tumor cells (PMID: 29085473). LAMP1 functions to provide selectins with carbohydrate ligands. This protein has also been shown to be a marker of degranulation on lymphocytes such as CD8+ and NK cells and may also play a role in tumor cell differentiation and metastasis (PMID: 18835598; 29085473; 9426697).

Storage

Storage:
Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

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

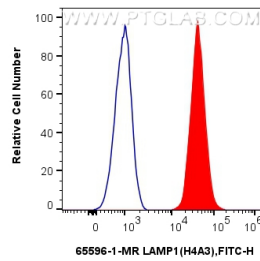
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Selected Validation Data



1x10⁶ Jurkat cells were intracellularly stained with 0.25 ug Anti-Human CD107a / LAMP1 (H4A3) Mouse IgG2a Recombinant Antibody (65596-1-MR, Clone: H4A3) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1) (red), or 0.25 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).