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

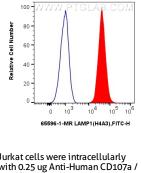**Proteintech®**
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Catalog Number:65596-1-PBS

Basic Information

Catalog Number:
65596-1-PBS

Size:
1mg, 2 mg/ml

Source:
Mouse

Isotype:
IgG2a

GenBank Accession Number:
BC006345

GeneID (NCBI):
3916

ENSEMBL Gene ID:
ENSG00000185896

Full Name:
lysosomal-associated membrane protein 1

Calculated MW:
45 kDa

Purification Method:
Protein A purification

CloneNo.:
H4A3

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 -80℃.
The product is shipped with ice packs. Upon receipt, store it immediately at -80℃
Storage Buffer:
PBS Only

65596-1-MR LAMP1(H4A3),FITC-H

1x10^6 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). This data was developed using the same