

For Research Use Only

CoraLite® Plus 555 Anti-Human CD107a / LAMP1 (H4A3)



Catalog Number: CL555-65051

Basic Information

Catalog Number: CL555-65051	GenBank Accession Number: BC006345	Purification Method: Protein G purification
Size: 100tests, 5 µl/test	GeneID (NCBI): 3916	CloneNo.: H4A3
Source: Mouse	ENSEMBL Gene ID: ENSG00000185896	Excitation/Emission maxima wavelengths: 554 nm / 570 nm
Isotype: IgG1, kappa	UNIPROT ID: P11279	
	Full Name: lysosomal-associated membrane protein 1	

Applications

Tested Applications:
FC

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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

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

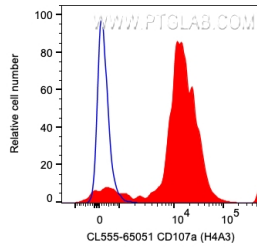
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ human peripheral blood platelets were surface stained with 5 ul CoraLite® Plus 555 Anti-Human CD107a / LAMP1 (CL555-65051, Clone:H4A3) (red) or Mouse IgG1 Isotype Control. Cells were not fixed.