

For Research Use Only

# CoraLite®488 Anti-Human CD107a (H4A3)



Catalog Number: CL488-65051

## Basic Information

Catalog Number:

CL488-65051

Size:

100tests , 5 µl/test

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

BC006345

GeneID (NCBI):

3916

Full Name:

lysosomal-associated membrane protein 1

Purification Method:

Protein G purification

CloneNo.:

H4A3

Excitation/Emission maxima wavelengths:

488 nm/515 nm

## 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.

Storage Buffer:

PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

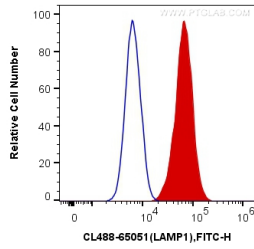
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 5 ul CoraLite®488 Anti-Human CD107a (CL488-65051, Clone:H4A3) (red), or Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).