For Research Use Only

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



Catalog Number: CL488-65566

**Basic Information** 

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100tests, 5 ul/test

Source: Mouse

Isotype: IgG2a

GenBank Accession Number:

BC002965 GeneID (NCBI):

3920

ENSEMBL Gene ID: ENSG0000005893

**UNIPROT ID:** P13473 Full Name:

lysosomal-associated membrane

protein 2 Calculated MW: 45 kDa

**Purification Method:** 

Protein A purification

CloneNo.: H4B4

Recommended Dilutions:

FC (Intra): 5 ul per 10^6 cells in a 100

ul suspension

Excitation/Emission maxima

wavelengths: 493 nm / 522 nm

**Applications** 

**Tested Applications:** FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra): Jurkat cells,

## **Background Information**

LAMP2 (CD107b) is a Lysosomal membrane glycoprotein. LAMP2 is extensively glycosylated with asparaginelinked 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).

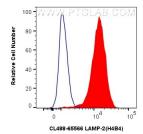
Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

PBS with 0.09% sodium azide, pH7.3

## Selected Validation Data



1x10^6 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 49% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).