

Mouse anti-Human CD107b Monoclonal Antibody | anti-CD107b antibody

Anti-Hu CD107b PE

CATALOG # AAA128569	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD107b; Monoclonal Antibody; Anti-Hu CD107b PE; lysosomal associated membrane protein 2; LAMP-2; LAMPB; anti-CD107b antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	H4B4
Specificity	The mouse monoclonal antibody H4B4 recognizes an extracellular/luminal epitope of CD107b / LAMP-2, an extensively glycosylated 100-120 kDa widely expressed lysosome-associated protein.
Purity/Purification	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Sequence Length	410
Applicable Applications for anti-CD107b antibody	FCM/FACS (Flow Cytometry)
Immunogen	Human PBMC
Negative Species	Mouse, Rat
Conjugation	PE
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD107b antibody	CD107b (lysosome-associated membrane protein-2, LAMP-2), together with CD107a / LAMP-1, is a major constituent of lysosomal membrane. The LAMP proteins are involved in lysosome biogenesis and are required for fusion of lysosomes with phagosomes, especially CD107b is important regulator in successful phagosomal maturation. CD107b deficiency causes an accumulation of autophagosomes in many tissues leading to cardiomyopathy and myopathy (Danons disease). Immature CD107b is an approximately 45 kDa protein, but after extensive glycosylation the mature glycoprotein has about 100-120 kDa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1708854
NCBI GeneID	3920
UniProt Accession #	P13473

NCBI Official Full Name	Lysosome-associated membrane glycoprotein 2
NCBI Official Synonym Full Names	lysosomal associated membrane protein 2
NCBI Official Symbol	LAMP2
NCBI Official Synonym Symbols	DND; LAMPB; CD107b; LAMP-2; LGP-96; LGP110
NCBI Protein Information	lysosome-associated membrane glycoprotein 2
UniProt Protein Name	Lysosome-associated membrane glycoprotein 2
UniProt Gene Name	LAMP2
UniProt Synonym Gene Names	LAMP-2; Lysosome-associated membrane protein 2
UniProt Entry Name	LAMP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd107b-antibody-clone-h4b4-flow-cytometry-elisa/128569>