

Rat CD107b Monoclonal Antibody | anti-CD107b antibody

RAT ANTI MOUSE CD107b

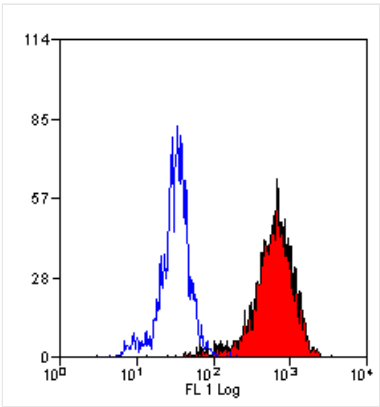
CATALOG #	HOST	APPLICATIONS
AAA11959	Rat	Immunohistochemistry, Flow Cytometry, Functional Assay, Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

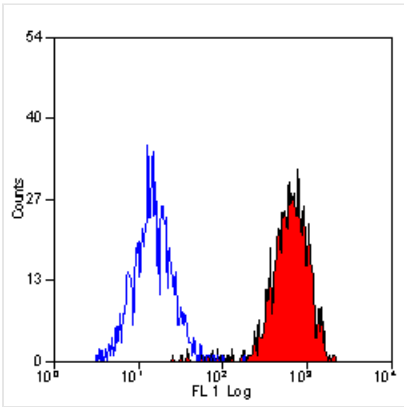
CD107b; Monoclonal Antibody; RAT ANTI MOUSE CD107b; anti-CD107b antibody

PRODUCT SPECIFICATIONS

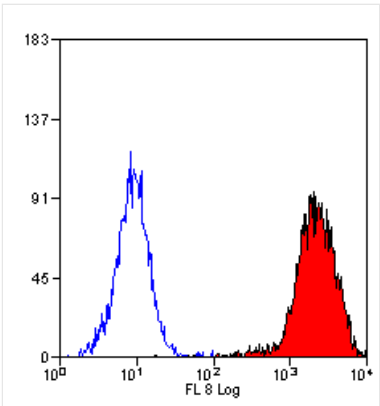
Host	Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M3/84
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	415
Applicable Applications for anti-CD107b antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul. Flow Cytometry: Minimum Dilution: 1/50; Maximum Dilution: 1/100; Application Note: Membrane permeabilisation is required for this application. We recommends the use of Leucoperm for this purpose.
Perservative Stabilisers	0.09% Sodium Azide Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Mouse
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



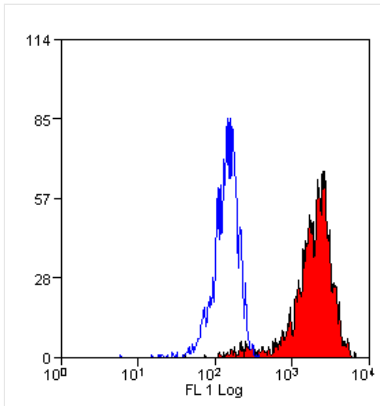
Application Data
Staining of mouse peritoneal macrophages with Rat anti Mouse CD107b : Biotin .
Permeabilised with Leucoperm



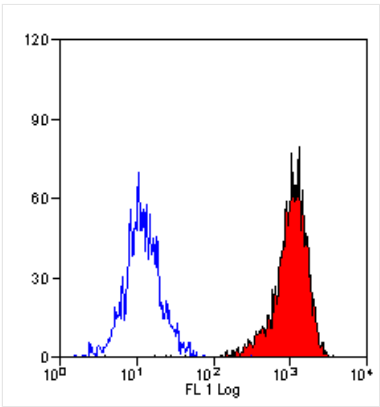
Application Data
Staining of permeabilised mouse peritoneal macrophages with Rat anti Mouse CD107b: FITC



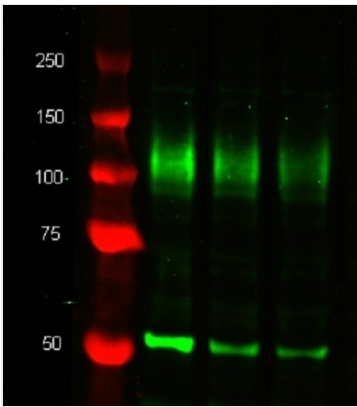
Application Data
Staining of mouse peritoneal macrophages with Rat anti Mouse CD107b : Alexa Fluor 647 .
Permeabilised with Leucoperm



Application Data
Staining of mouse peritoneal macrophages with Rat anti Mouse CD1076 following permeabilisation with Leucoperm



Application Data
Staining of mouse peritoneal macrophages with Rat anti Mouse CD107b : FITC following permeabilisation with Leucoperm



Application Data
Western blot analysis of CD107b on J774 cell lysate probed with Rat anti Mouse CD107b at 1/500, 1/1000, 1/2000. Rat anti tubulin alpha is included as a loading control. Detection is with Goat anti Rat IgG:Dylight®

ADDITIONAL INFORMATION

Related Product Information for anti-CD107b antibody

Rat anti Mouse CD107b antibody, clone M3/84 recognizes murine CD107b, also known as MAC-3 and LAMP-2. CD107b is a transmembrane glycoprotein that is associated with lysosomal membranes and is primarily expressed on mononuclear phagocytes. Expression of CD107b does vary between cell populations and the molecular weight of CD107b can vary between 92-120kD. Studies suggest that CD107b may be involved in leucocyte adhesion. The expression of CD107b is predominantly cytoplasmic - flow cytometry results are improved by the use of a membrane permeabilisation procedure prior to staining.

NCBI AND UNIPROT INFORMATION

NCBI GI #	63054837
NCBI GeneID	16784
NCBI Accession #	NP_001017959.1
NCBI GenBank Nucleotide #	NM_001017959.2
UniProt Accession #	P17047; Q3TXG5; Q8BSG8; A2A430
Molecular Weight	45,655 Da
NCBI Official Full Name	lysosome-associated membrane glycoprotein 2 isoform 1
NCBI Official Synonym Full Names	lysosomal-associated membrane protein 2
NCBI Official Symbol	Lamp2
NCBI Official Synonym Symbols	Mac3; LGP-B; CD107b; Lamp-2; Lamp II; Lamp-2a; Lamp-2b; Lamp-2c
NCBI Protein Information	lysosome-associated membrane glycoprotein 2; CD107 antigen-like family member B; lysosomal membrane glycoprotein 2; lysosomal membrane glycoprotein type B
UniProt Protein Name	Lysosome-associated membrane glycoprotein 2
UniProt Gene Name	Lamp2
UniProt Synonym Gene Names	Lamp-2; LAMP-2; Lysosome-associated membrane protein 2; LGP-B
UniProt Entry Name	LAMP2_MOUSE

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-m3-84-immunohistochemistry-flow-cytometry-immunoprecipitation-immunohistochemistry-western-blot-elisa/11959>