

Mouse anti-Human CD107b (LAMP-2) Monoclonal Antibody

Mouse Anti-Human CD107b/LAMP-2-UNLB

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78760	Mouse	Human	Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD107b (LAMP-2); Monoclonal Antibody; Mouse Anti-Human CD107b/LAMP-2-UNLB; Mouse Anti-Human CD107b/LAMP-2 - Purified; Unlabeled Antibody; Mouse Anti-Human CD107b (LAMP-2); anti-CD107b (LAMP-2) antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	H4B4
Specificity	Human CD107b/LAMP-2 CD107b, also known as lysosomal-associated membrane protein 2 (LAMP-2), is a heavily glycosylated, type I transmembrane protein that constitutes the major sialoglycoproteins on lysosomal membranes. It is a ligand for galactin, an S-type lectin present in extracellular matrix, through its recognition of acetyllactosamine oligosaccharide chains, and is a ligand for E-selectin-mediated cell adhesion. CD107b is expressed by granulocytes, T cells, macrophages, dendritic cells, activated platelets tonsillar epithelium and some tumor cell lines, including U937 and KG1a. It is also a widely expressed intracellular antigen. LAMP-2 may function in protecting the inner surface of the lysosomal membrane by forming a barrier to lysosomal hydrolases. The upregulation of both CD107a and CD107b on the surface of tumor cell lines has been associated with their enhanced metastatic potential, where they may increase adhesion to extracellular matrix and endothelium.1-7
Form/Format	Purified (UNLB) Antibody
Applicable Applications for anti-CD107b (LAMP-2) antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Characterization	To insure lot to lot consistency, each batch of product is tested by flow cytometry to conform to the characteristics of a standard reference reagent.
Preparation and Storage	The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.0. No preservatives or amine-containing buffer salts added. Store at 2- 8 degree C. The fluorescein (FITC) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN3. Store at 2-8 degree C. The biotin (BIOT) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN3. Store at 2-8 degree C. The R-phycoerythrin (R-PE) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8 degree C. Do not freeze! The Spectral Red (SPRD) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8 degree C. Do not freeze! Protect conjugated forms from light. Each reagent is stable for the period shown on the bottle label if stored as directed.

ADDITIONAL INFORMATION

References	1. Schlossman, S., L. Bloumsell, W. Gilks, J.M. Harlan, C. Kishimoto, J. Ritz, S. Shaw, R. Silverstein, T. Springer, T.F. Tedder, and R.F. Todd, eds. 1995. Leukocyte Typing V: White Cell Differentiation Antigens, Oxford University Press, Oxford. 2. Barclay, A.N., M.H. Brown, S.K.A. Law, A.J. McKnight, M.G. Tomlinson, and P.A. van der Merwe, eds. 1997. The Leukocyte Antigens Facts Book, 2nd Edition, CD107a, 107b Section, Academic Press, New York, p. 389. 3. Sawada, R., K.A. Jardine, and M. Fukuda. 1993. J. Biol. Chem. 268:9014. 4. Febbraio, M., and R.L. Silverstein. 1990. J. Biol. Chem. 265:18531. 5. Chen, J.W., Y. Cha, K.U. Yuksel, R.W. Gracy, and J.T. August. 1988. J. Biol. Chem. 263:8754. 6. Sawada, R., J.B. Lowe, and M. Fukuda. 1993. J. Biol. Chem. 268:12675. 7. Sawada, R., S. Tsuboi, and M. Fukuda. 1994. J. Biol. Chem. 269:1425.
------------	---

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd107b-lamp-2-antibody-clone-h4b4-immunohistochemistry-flow-cytometry-elisa/78760>