

Mouse anti-Human CD45 (LCA) Monoclonal Antibody

Mouse Anti-Human CD45/LCA-PE/CY7

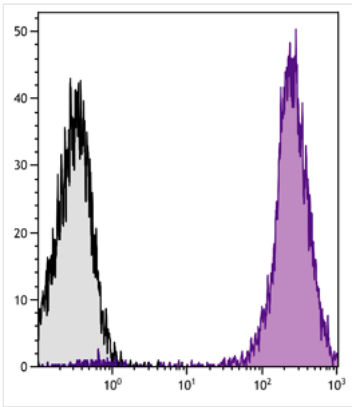
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78756	Mouse	Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD45 (LCA); Monoclonal Antibody; Mouse Anti-Human CD45/LCA-PE/CY7; LCA; T200; Ly5; anti-CD45 (LCA) antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a?
Clone Number	F10-89-4
Specificity	Human/Horse CD45; Mr 180-220 kDa
Form/Format	R - phycoerythrin - Cyanine 7 (R - PE - CY7) Conjugate
Applicable Applications for anti-CD45 (LCA) antibody	FCM/FACS (Flow Cytometry)
Immunogen	Purified T cells from human lymph nodes
Workshop	IV N819
Note	Some reagents contain sodium azide.
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) and Allophycocyanin conjugates are 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), R-phycoerythrin-Cyanine 5.5 (R-PE-CY 5.5), and R-phycoerythrin- Cyanine 7 (R-PE-CY 7) conjugates are 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 Cyanine 5 (CY 5) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN3. Store at 2-8 degree C. Protect conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.



FCM/FACS (Flow Cytometry)
Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD45-PE/CY5.5

ADDITIONAL INFORMATION

Related Product Information for anti-CD45 (LCA) antibody	CD45, also known as the leukocyte common antigen (LCA), exists as four different isoforms (180, 190, 205, 220 kDa) that are generated by alternative splicing of three exons. LCA is found on all cells of hematopoietic origin, except erythrocytes and platelets. CD45 expression is required for T cell and B cell antigen receptor-mediated activation.
References	1. McMichael, A.K., P.C.L. Beverly, S. Cobbold, M.J. Crumpton, W. Gilks, F.M. Gotch, N. Hogg, M. Horton, N. Ling, I.C.M. MacLennan, D.Y. Mason, C. Milstein, D. Spiegelhalter, and H. Waldmann, eds. 1987. Leukocyte Typing III: 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, CD45 Section, Academic Press, New York, p. 244. 3. Dalchau, R., J. Kirkley, and J.W. Fabre. Eur. J. Immunol. 10:737. 4. Thomas, M.L. 1989. Annu. Rev. Immunol. 7:339. 5. Trowbridge, I.S., and M.L. Thomas. 1994. Annu. Rev. Immunol. 12:85.

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.