

Rat anti-Mouse CD4 Monoclonal Antibody | anti-CD4 antibody

Anti-Mouse CD4, Purified, Low Endotoxin (Clone YTS 191.1)(rat IgG2b)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA74286	Rat	Mouse	Flow Cytometry, Functional Assay

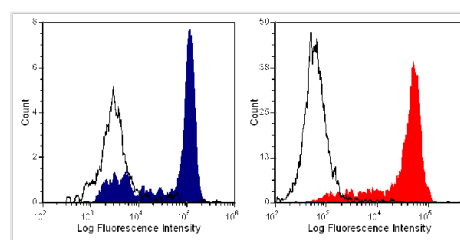
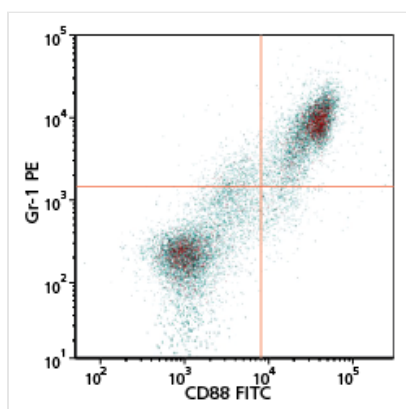
PRODUCT SYNONYMS

CD4; Monoclonal Antibody; Anti-Mouse CD4; Purified; Low Endotoxin (Clone YTS 191.1)(rat IgG2b); anti-CD4 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat IgG2b
Clone Number	YTS 191.1.2
Specificity	Mouse CD4 (L3/T4; Ly4)
Purity/Purification	Purified
Form/Format	Low Endotoxin
Applicable Applications for anti-CD4 antibody	FCM/FACS (Flow Cytometry)
Conjugation	Unconjugated
Preparation and Storage	Store at 4 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Balb/c peritoneal macrophages (left) or bone marrow (Gr-1 gate)(right) were stained with anti-C5a receptor (CD88)(clone: 20/70)(filled histogram) or rat IgG2b isotype control (open histogram).

Application Data

CL7588F (CD88 FITC) and CL8991PE (Gr-1 PE) staining on C57BL/6 mouse bone marrow.

ADDITIONAL INFORMATION

Related Product Information for anti-CD4 antibody	The CD4 (L3/T4) antigen is thought to be the murine equivalent of the human Leu3/OKT4 antigen. This T cell surface molecule appears to be expressed by the helper/inducer subset of murine T cells and by delayed hypersensitivity T cells but not by cytotoxic T cells or their precursors. CD4 (L3/T4) and CD8a (Ly 2) have been shown to be present on mutually exclusive T cells in the peripheral lymphoid organs but the thymus contains cells expressing both CD4 (L3/T4) and CD8a (Ly 2). anti-mouse CD4 (L3/T4) mAb binds to approximately 85% of mouse thymocytes, 20% splenocytes, 50% lymph node cells, and a small number of bone marrow cells. It detects a protein of approximately 52 kDa on SDS-PAGE "Western Blots" (from Con A blast cell membranes) and is therefore similar to a well characterized human Leu3/T4 antigen (4).
References	1) Cobbald S.P., Jayasuriya A., Nash A., Prospero T.D., & Waldmann H., (1984) Nature. Therapy with monoclonal antibodies by elimination of T cell subsets in vivo . 312, 5994, 548-551. 2) Cobbald S.P., Martin G., Lovat P.C., & Waldmann H., 8th International Conference on Lymphatic Tissues and Germinal Centres. Plenum Press (Ed. Klaus G.) in press (1984) Immunosuppression with monoclonal antibodies - rules for effective serotherapy. 3) Agel N.M., Clark M., Cobbald S.P. & Waldmann H. (1984) J. Immunol. Methods. Immunohistological Screening in the selection of monoclonal antibodies: the use of isotype specific antiglobulins. 69, 207-214. 4) Dialynas D.P., et al. (1983) J. of Immunol. Characterization of the murine T cell surface antigen designated L3/T4, identified by monoclonal antibody GK1.5. Similarity of L3/T4 to human Leu3/T4 molecule. U131U, 2445-2451. 5) Mueller, R. et al. (1997) J. of Immunol. 159: 1599-1603. IL-4 Expression by Grafts from Transgenic Mice Fails to Prevent Allograft Rejection.

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://www.aaabiotech.com/monoclonal/cd4-antibody-clone-yts-191-1-2-flow-cytometry-elisa/74286>