

anti-Mouse CD4 Monoclonal Antibody | anti-CD4 antibody

Anti-Mouse CD4 FITC (Clone YTS 191.1) (rat IgG2b)

CATALOG #
AAA74145

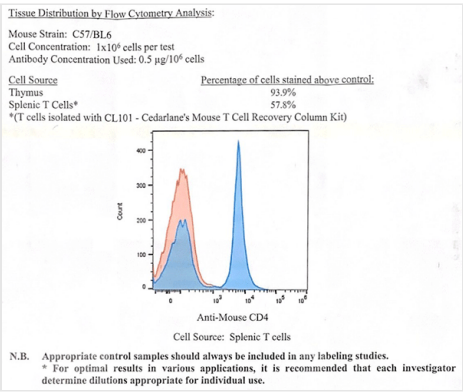
REACTIVITY
Mouse

PRODUCT SYNONYMS

CD4; Monoclonal Antibody; Anti-Mouse CD4 FITC (Clone YTS 191.1) (rat IgG2b); CD4 FITC (Clone YTS 191.1) (rat IgG2b); Anti-Mouse CD4 (L3/T4) Monoclonal Antibody; anti-CD4 antibody

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat IgG2b
Clone Number	YTS 191.1.2
Specificity	CD4 (L3/T4; Ly4) (Mouse CD4 (L3/T4))
Form/Format	FITC
Sequence Length	71
Immunogen	murine thymocytes
Donor	(LOU x DA) F1 rats
Fusion Partner	Y3/Ag 1.2.3
Presentation	Ascites: 0.5 ml Lyophilized. Reconstitute with distilled H₂O. Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use. LE: Purified Ig buffered in PBS, no preservative, 0.2um in sterile filtered. (Purified from cell culture supernatant via Protein G Chromatography) Biotin, FITC, PE, PE-Cy7, APC and APC-Cy7: Biotin/FITC/PE/PE-Cy7/APC/APC/Cy7 conjugated IgG buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. No Azide: Purified Ig buffered in PBS, no preservative, 0.2um sterile filtered.
Preparation and Storage	For all formats, store at 4°C. DO NOT FREEZE PE, PE-Cy7, APC and APC-Cy7 conjugates. For long term storage (Purified, Le, Biotin, FITC, No Azide), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.



Application Data

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). Applications: flow cytometry.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3947700
NCBI GeneID	920
UniProt Accession #	Q13969; P01730
NCBI Official Full Name	CD4
NCBI Official Synonym Full Names	CD4 molecule
NCBI Official Symbol	CD4
NCBI Official Synonym Symbols	CD4mut
NCBI Protein Information	T-cell surface glycoprotein CD4; CD4 receptor; CD4 antigen (p55); T-cell surface antigen T4/Leu-3
UniProt Protein Name	CD4 protein
UniProt Gene Name	CD4
UniProt Synonym Gene Names	CD4 receptor
UniProt Entry Name	Q13969_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.