

Mouse anti-Human CD7 Monoclonal Antibody | anti-CD7 antibody

anti-human CD7-FITC

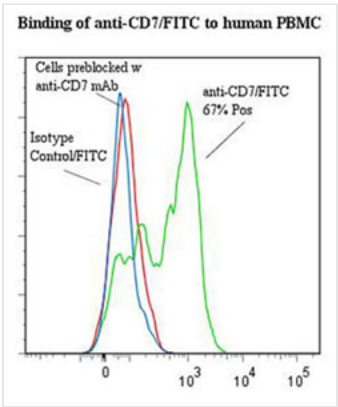
CATALOG # AAA78184	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD7; Monoclonal Antibody; anti-human CD7-FITC; Monoclonal anti-human CD7/FITC; anti-CD7 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	3A1e
Form/Format	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150 mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN ₃ (as a preservative).
Sequence Length	240
Applicable Applications for anti-CD7 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Human HSB2-T cells
Production	Protein A purified antibody from tissue culture supernatant was reacted with FITC. Unconjugated FITC was separated from antibody/FITC conjugate by desalting column. The antibody/FITC conjugate is at 0.5 mg/ml with a Fluorescein/Antibody molar ratio of 4.6.
Performance	Five x 10 ⁵ ficoll prepared peripheral blood mononuclear cells (PBMC) were washed and incubated 45 minutes on ice with 80 ul of anti-CD7/FITC at a 1:50 dilution(10ug/ml). Cells were washed three times, fixed and analyzed by FACS. A 67% sub population of the cells stained positive with a mean shift of 0.95 log ₁₀ fluorescent units when compared to a Mouse IgG2b/FITC negative control at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 ul of 0.5 mg/ml anti-CD7 antibody .
Preparation and Storage	Store at 2-5°C. Freeze/Thawing is not recommended. Protect from light. Product should retain activity for at least 12 months after shipping date when stored as recommended.



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-CD7 antibody	Human CD7 is one of the earliest T lineage markers and is found on most thymocytes and peripheral blood T cells. The function of CD7 is not yet fully known, although cross-linking of CD7 with antibodies induces a T cell transmembrane calcium flux and CD7 expression is induced by ionomycin. Antibody 3A6 recognizes a CD7 molecule of 40 kd. Antibody 3A6 induces T cell transmembrane calcium flux.
References	R.E. Ware, et al, (1989) J Immunol 143: 3632-3640. R.E. Ware, et al, (1991) J Immunol 147: 2787-2794.

NCBI AND UNIPROT INFORMATION

NCBI GI #	180164
NCBI GeneID	924
NCBI Official Full Name	CD7 antigen protein
NCBI Official Synonym Full Names	CD7 molecule
NCBI Official Symbol	CD7
NCBI Official Synonym Symbols	GP40; TP41; Tp40; LEU-9
NCBI Protein Information	T-cell antigen CD7; p41 protein; CD7 antigen (p41); T-cell leukemia antigen; T-cell surface antigen Leu-9
UniProt Protein Name	T-cell antigen CD7
UniProt Gene Name	CD7
UniProt Entry Name	CD7_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.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd7-antibody-clone-3a1e-flow-cytometry-elisa/78184>