

CD8 beta recombinant antibody

Anti-CD8 beta [YTS 156.7.7]

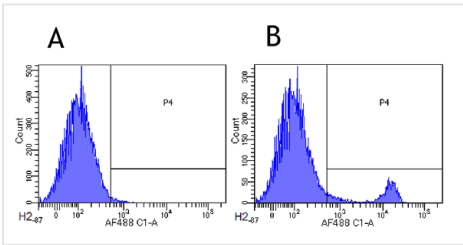
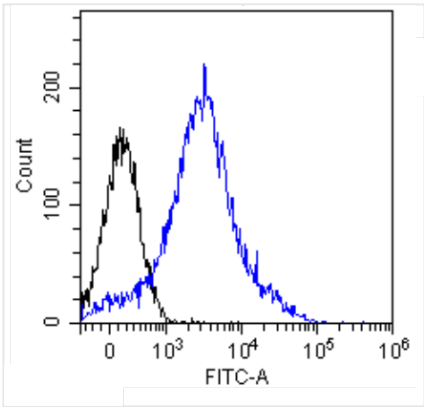
CATALOG # AAA71974	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD8 beta; Monoclonal Recombinant Antibody; Anti-CD8 beta [YTS 156.7.7]; T-cell surface glycoprotein CD8 beta chain; Lymphocyte antigen 3; T-cell membrane glycoprotein Ly-3; T-cell surface glycoprotein Lyt-3; CD8b; Cd8b; Cd8b1; Ly-3; Lyt-3; Lyt3; CD8 beta recombinant antibody

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG, kappa
Clone Number	YTS 156.7.7
Specificity	The antibody Recognizes the B epitope of the mouse Lyt-3 (CD8) antigen. Has been used in CD8 subset depletion in vivo and flow cytometry studies.
Purity/Purification	Purified Protein A Affinity Purified
Sequence Length	207
Applicable Applications for CD8 beta recombinant antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Immunogen	Mouse CD8 (lyt-3).
Antigen	CD8 beta
Antigen Description	Mouse CD8 (lyt-3).
Buffer Composition	PBS only with 0.02% Proclin 300.
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original format, for improved compatibility with existing reagents, assays and techniques.
Publication Note	Describes the production of monoclonal antibody to lyt-3 (CD-8) and demonstrates its effectiveness in CD8 subset depletion in mice.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



FCM/FACS (Flow Cytometry)
Flow-cytometry using anti-CD8beta antibody YTS 156.7.7 Mouse lymphocytes were stained with an anti-CD44 control or the rabbit-chimeric version of YTS 156.7.7 at a concentration of 1 ug/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FACSCanto flow-cytometer.

FCM/FACS (Flow Cytometry)
Flow-cytometry using the anti-CD8 beta antibody YTS 156.7.7 Mouse thymocytes were stained with unimmunized rabbit IgG antibody (black line) or the rabbit-chimeric version of YTS 156.7.7 at a concentration of 10 ug/ml for 30 mins at RT. After washing, bound antibody was detected using an anti-rabbit IgG JK (FITC-conjugate) antibody (129936) at 2 ug/ml and cells analyzed on a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for CD8 beta recombinant antibody	Recombinant monoclonal antibody to CD8 beta. Manufactured using Recombinant Platform with variable regions (i.e. specificity) from the hybridoma YTS 156.7.7.
Product Categories/Family for CD8 beta recombinant antibody	Immunology; Cell adhesion
References	Cobbold S, Martin G, Waldmann H. Transplantation. 1986 Sep;42(3):239-47. PMID:3529524

NCBI AND UNIPROT INFORMATION

NCBI GI #	403301
NCBI GeneID	396175
UniProt Accession #	Q90769
Molecular Weight	23,744 Da
NCBI Official Full Name	CD8 beta
NCBI Official Synonym Full Names	CD8b molecule
NCBI Official Symbol	CD8B
NCBI Official Synonym Symbols	CD8B1; CD8BP
NCBI Protein Information	T-cell surface glycoprotein CD8 beta chain
UniProt Protein Name	CD8 beta

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.