

CD8 alpha/Lyt-2 Recombinant Antibody | CD8 recombinant antibody

Anti-CD8 alpha/Lyt-2 [YTS 169.4]

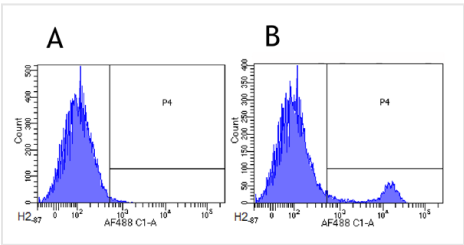
CATALOG #	REACTIVITY	APPLICATIONS
AAA72017	Mouse	Immunohistochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

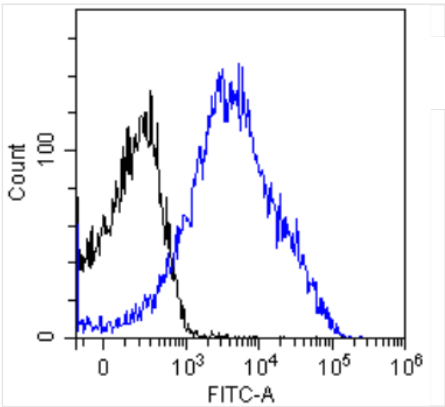
CD8 alpha/Lyt-2; Monoclonal Recombinant Antibody; Anti-CD8 alpha/Lyt-2 [YTS 169.4]; Leu2; CD8; CD8A; CD8a molecule; CD8a antigen; Leu2 T-lymphocyte antigen; Lyt-2; Lyt2OKT8; p32T-cell antigen Leu2; T-cell antigen; T cell co-receptor; T-cell surface glycoprotein CD8 alpha chain; T-cell surface glycoprotein Lyt-2; T8 T-cell antigen; CD8 recombinant antibody

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG kappa
Clone Number	YTS 169.4
Specificity	Recognizes the murine CD8 cell surface antigen expressed by a subset of T lymphocytes. The antibody has been shown to show depleting activity in vivo.
Purity/Purification	Protein A Affinity Purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Sequence Length	247
Applicable Applications for CD8 recombinant antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Antibody Type	Recombinant Antibody
Antibody Species	Rabbit
Original Species Name	Rat
Immunogen	Murine CD8 (lyt-2).
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2b format, for improved compatibility with existing reagents, assays and techniques.
Buffer Composition	PBS only with 0.02% Proclin 300.
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-CD8alpha/Lyt-2 antibody YTS 169.4 Mouse lymphocytes were stained with an anti-CD44 control or the rabbit-chimeric version of YTS 169.4 (AAA72017, panel B) 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 alpha/Lyt-2 antibody YTS 169.4 Mouse thymocytes were stained with unimmunized rabbit IgG antibody (black line) or the rabbit-chimeric version of YTS 169.4 (AAA72017, blue line) at a concentration of 10 ug/ml for 30 mins at RT. After washing, bound antibody was detected using 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 recombinant antibody	Recombinant monoclonal antibody to CD8 alpha/Lyt-2. Manufactured using the recombinant platform with variable regions (i.e. specificity) from the hybridoma YTS 169.4.
Product Categories/Family for CD8 recombinant antibody	Immunology; Celladhesion
References	Cobbold SP, Jayasuriya A, Nash A, Prospero TD, Waldmann H. Therapy with monoclonal antibodies by elimination of T-cell subsets in vivo. Nature. 1984 Dec 6-12;312(5994):548-51. PMID:6150440 Original Published Journal: Nature. 1984 Dec 6-12;312(5994):548-51. Publication Note: Describes the production of the antibody and its effectiveness in CD8 subset depletion in vivo using flow cytometry studies.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124487437
NCBI GeneID	12525
NCBI Accession #	NP_001074579.1
NCBI GenBank Nucleotide #	NP_001074579.1
UniProt Accession #	P01731
NCBI Official Full Name	T-cell surface glycoprotein CD8 alpha chain isoform 1
NCBI Official Synonym Full Names	CD8 antigen, alpha chain
NCBI Official Symbol	Cd8a
NCBI Official Synonym Symbols	Ly-2; Ly-B; Ly-35; Lyt-2; BB154331
NCBI Protein Information	T-cell surface glycoprotein CD8 alpha chain
UniProt Protein Name	T-cell surface glycoprotein CD8 alpha chain
UniProt Gene Name	Cd8a
UniProt Synonym Gene Names	Lyt-2; Lyt2

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://stage.aaabiotech.com/monoclonal/cd8-alpha-lyt-2-recombinant-antibody-clone-yts-169-4-immunohistochemistry-immunohistochemistry-flow-cytometry-elisa/72017>