

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

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

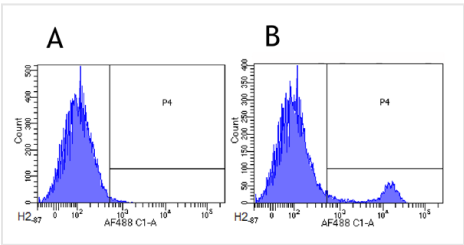
CATALOG # AAA72016	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay
------------------------------	----------------------------	---

PRODUCT SYNONYMS

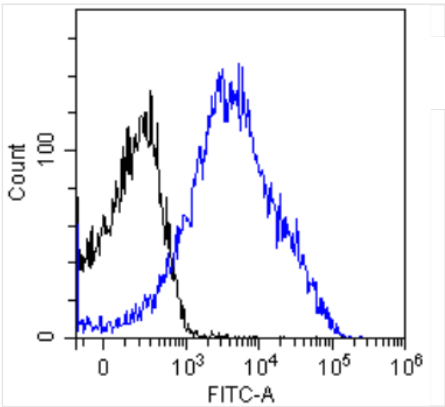
CD8 alpha/Lyt-2; Monoclonal Recombinant Antibody; Anti-CD8 alpha/Lyt-2 [YTS 169.4]; Leu2; CD8; CD8A; CD8a molecule; CD8a antigen; Leu2 T-lymphocyte antigen; Lyt-2; Lyt2OKT8; p32T-cell antigen Leu2; T-cell antigen; T cell co-receptor; T-cell surface glycoprotein CD8 alpha chain; T-cell surface glycoprotein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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat IgG2b 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	Rat
Original Species Name	Rat
Immunogen	Murine CD8 (lyt-2).
Chimeric Use Statement	This is a chimeric antibody created to reduce immunogenicity during in vivo applications.
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 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 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd8-alpha-lyt-2-recombinant-antibody-clone-yts-169-4-immunohistochemistry-immunohistochemistry-flow-cytometry-elisa/72016>