

Mouse anti-Rat CD8b Monoclonal Antibody | anti-CD8b antibody

Anti-Rt CD8b PE

CATALOG # AAA128326	HOST Mouse	REACTIVITY Rat	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD8b; Monoclonal Antibody; Anti-Rt CD8b PE; CD8b molecule; Ly-3; Ly-C; Lyt-3; anti-CD8b antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Rat
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	341
Specificity	The mouse monoclonal antibody 341 (also known as 34.1) recognizes rat CD8b, the 32-34 kDa beta chain of the CD8 coreceptor (extracellular epitope), expressed on T cell subsets and some other cell types, such as macrophages.
Purity/Purification	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	210
Applicable Applications for anti-CD8b antibody	FCM/FACS (Flow Cytometry)
Immunogen	CD8 positive Wistar rat splenic T cell hybridomas
Conjugation	PE
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD8b antibody	The CD8b (CD8 beta) subunit of CD8 T cell coreceptor is expressed in CD8 alpha/beta heterodimers on majority of MHC I-restricted conventional T cells and thymocytes and in CD8 alpha/alpha homodimers on subsets of memory T cells, intraepithelial lymphocytes, NK cells, macrophages, mast cells, and dendritic cells. Regulation of CD8 beta level on T cell surface seems to be an important mechanism to control their effector function. Assembly of CD8 alpha/beta but not alpha/alpha dimers is connected with formation or localization to the lipid rafts. Recruiting triggered TCR complexes to these membrane microdomains as well as affinity of TCR to MHC I is modulated by CD8, thereby affecting the functional diversity of the TCR signaling.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116032
NCBI GeneID	926

UniProt Accession #	P10966
NCBI Official Full Name	T-cell surface glycoprotein CD8 beta chain
NCBI Official Synonym Full Names	CD8b molecule
NCBI Official Symbol	CD8B
NCBI Official Synonym Symbols	LY3; P37; LEU2; LYT3; CD8B1
NCBI Protein Information	T-cell surface glycoprotein CD8 beta chain
UniProt Protein Name	T-cell surface glycoprotein CD8 beta chain
UniProt Gene Name	CD8B
UniProt Synonym Gene Names	CD8B1
UniProt Entry Name	CD8B_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://stage.aaabiotech.com/monoclonal/cd8b-antibody-clone-341-flow-cytometry-elisa/128326>