

Rat anti-Mouse CD8a Monoclonal Antibody | anti-CD8a antibody

Anti-Ms CD8a PE

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128368	Rat	Mouse	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD8a; Monoclonal Antibody; Anti-Ms CD8a PE; CD8a molecule; Ly-2; Ly-B; Ly-35; Lyt-2; BB154331; anti-CD8a antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG2a kappa
Clone Number	53-6.7
Specificity	The rat monoclonal antibody 53-6.7 recognizes an extracellular epitope of murine CD8a (32-34 kDa; alpha chain of the CD8 antigen).
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	247
Applicable Applications for anti-CD8a antibody	FCM/FACS (Flow Cytometry)
Immunogen	Murine spleen cells
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-CD8a antibody	The CD8a (CD8 alpha) 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 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 #	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://www.aaabiotech.com/monoclonal/cd8a-antibody-clone-53-6-7-flow-cytometry-elisa/128368>