

30-2750: Anti-Ms CD8a PE

Clonality :	Monoclonal
Clone Name :	53-6.7
Application :	FACS
Reactivity :	Mouse
Conjugate :	PE
Gene :	CD8a
Gene ID :	12525
Uniprot ID :	P01731
Alternative Name :	CD8a molecule Ly-2, Ly-B, Ly-35, Lyt-2, BB154331
Immunogen Information :	Murine spleen cells

Description

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.

Specificity : The rat monoclonal antibody 53-6.7 recognizes an extracellular epitope of murine CD8a (32-34 kDa; alpha chain of the CD8 antigen).

Product Info

Amount :	0.1 mg
Purification :	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 2 µg/ml.