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30-2543: Anti-Mouse CD8b PE (Clone : H35-17.2)

Clonality :	Monoclonal
Clone Name :	H35-17.2
Application :	FACS
Reactivity :	Mouse
Conjugate :	PE
Gene :	Cd8b
Gene ID :	12526
Alternative Name :	Ly-3, Ly-C, Lyt-3
Isotype :	Rat IgG2b kappa
Immunogen Information :	Mouse CD8b

Description

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.
Specificity : The rat monoclonal antibody H35-17.2 recognizes an extracellular epitope of mouse CD8b, the 32-34 kDa beta chain of the CD8 coreceptor, expressed on cytotoxic T cells and thymocytes.

Product Info

Amount :	0.1 mg
Purification :	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Content :	0.5 mg/ml Formulation : Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.