

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

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

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