

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

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| 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

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| 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. |