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## **30-2541: Anti-Mouse CD8b Antibody (Clone: H35-17.2)**

Purified

Clone Name: H35-17.2

Application: IP, FACS, IHC(F)

Reactivity: Mouse
Gene: Cd8b
Gene ID: 12526

Alternative Name: Ly-3, Ly-C, Lyt-3
Isotype: Rat IgG2b kappa
Immunogen Information: Mouse CD8b

## **Description**

Format:

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 :** Purified by protein-A affinity chromatography

Content: 1 mg/ml

Formulation: Phosphate buffered saline (PBS) solution with 15 mM sodium azide

**Storage condition :** Store at 2-8°C. Do not freeze.

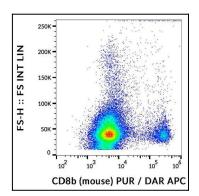


Figure 1 : Flow cytometry analysis (surface staining) of murine splenocytes using anti-CD8b (H35-17.2) purified, DAR-APC.