

### 30-2542: Anti-Rat CD8b Low Endotoxin Antibody (Clone : 341)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	341
<b>Application :</b>	FACS , WB, Functional Assay, IP, IHC(F)
<b>Reactivity :</b>	Rat
<b>Gene :</b>	CD8b
<b>Gene ID :</b>	926
<b>Format :</b>	Low Endotoxin
<b>Alternative Name :</b>	Ly-3, Ly-C, Lyt-3,CD8b molecule
<b>Isotype :</b>	Mouse IgG1 kappa
<b>Immunogen Information :</b>	CD8 positive Wistar rat splenic T cell hybridomas

#### 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 mouse monoclonal antibody 341 (also known as 34.1) recognizes rat CD8b, the 32-34 kDa beta chain of the CD8 coreceptor (extracellular epitope), expressed on T cell subsets and some other cell types, such as macrophages.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography 1 mg/ml
<b>Content :</b>	Formulation : Low endotoxin azide free phosphate buffered saline (PBS) solution, 0.2 µm filter sterilized. Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.