

### 30-1463: Anti-CD8b Monoclonal Antibody (Clone:341)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	341
<b>Application :</b>	FACS, IP, WB, IHC-Fr, Functional Assay
<b>Reactivity :</b>	Rat
<b>Gene :</b>	Cd8b
<b>Gene ID :</b>	24931
<b>Uniprot ID :</b>	P05541
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Cd8b, Cd8b1, CD8 antigen 37 kDa chain, OX-8 membrane antigen
<b>Isotype :</b>	Mouse IgG1
<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.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

**Flow Cytometry** *Recommended dilution:* 1.5  $\mu$ g/ml

**Immunoprecipitation Western Blotting Immunohistochemistry (frozen sections) Functional Application**

Macrophage stimulation, in vitro blocking of allogenic responses