

### 30-1403: Anti-CD8a Monoclonal Antibody (Clone:53-6.7)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	53-6.7
<b>Application :</b>	FACS
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	Cd8a
<b>Gene ID :</b>	12525
<b>Uniprot ID :</b>	P01731
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Cd8a,Lyt-2,Lyt2
<b>Isotype :</b>	Rat IgG2a
<b>Immunogen Information :</b>	Mouse spleen cells

#### Description

The CD8a (CD8 alpha) 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 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 µg/ml

**Immunoprecipitation Immunohistochemistry Immunohistochemistry (frozen sections)** *Recommended dilution:* 1:1000

*Application note:* Formaldehyde fixation is not recommended, acetone fixation is preferred.

**Immunocytochemistry Functional Application** Isolation and depletion of CD8+ cells, blocking of cytotoxicity, inhibition of CD8+ T cell proliferation.