

### 30-1227: Anti-CD8 Monoclonal Antibody (Clone:MEM-87)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MEM-87
<b>Application :</b>	IP, FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD8A
<b>Gene ID :</b>	925
<b>Uniprot ID :</b>	P01732
<b>Format :</b>	Purified
<b>Alternative Name :</b>	T-lymphocyte differentiation antigen T8/Leu-2, CD8a, MAL
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Leukocytes of a patient suffering from LGL Type Leukemia.

#### Description

The CD8 T cell coreceptor (monomer approx. 32-34 kDa) is expressed as alpha/beta heterodimer on majority of MHC I-restricted conventional T cells and thymocytes and as alpha/alpha homodimer on subsets of memory T cells, intraepithelial lymphocytes, NK 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

**Immunoprecipitation** *Application note:* Excellent for immunoisolation of CD8 positive T cells.

**Flow Cytometry** *Recommended dilution:* 2 Åµg/ml