

### 30-2421: Anti-CD8 Monoclonal Antibody (Clone:MEM-31)-PerCP Conjugated

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MEM-31
<b>Application :</b>	FACS, IP
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PerCP
<b>Gene :</b>	CD8A
<b>Gene ID :</b>	925
<b>Uniprot ID :</b>	P01732
<b>Alternative Name :</b>	T-lymphocyte differentiation antigen T8/Leu-2, CD8a, MAL
<b>Isotype :</b>	Mouse IgG2a
<b>Immunogen Information :</b>	Crude thymus membrane fraction.

#### 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>	100 tests
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

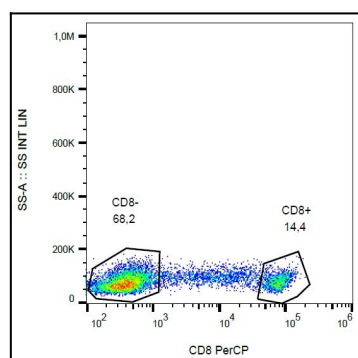


Figure 1: Surface staining of human peripheral blood using anti-human CD8 (clone MEM-31) PerCP.