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

Clonality: Monoclonal **Clone Name:** MEM-31 Application: FACS. IP Reactivity: Human Conjugate: PerCP Gene: CD8A Gene ID: 925 **Uniprot ID:** P01732

Alternative Name: T-lymphocyte differentiation antigen T8/Leu-2, CD8a, MAL

Isotype: Mouse IgG2a

Immunogen Information : 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

Amount: 100 tests

Storage condition: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

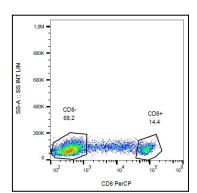


Figure 1: Surface staining of human peripheral blood using anti-human CD8 (clone MEM-31) PerCP.