

30-1834: Anti-CD8 Monoclonal Antibody (Clone:MEM-31)-Biotin Conjugated

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| Clonality : | Monoclonal |
| Clone Name : | MEM-31 |
| Application : | FACS, IP |
| Reactivity : | Human |
| Conjugate : | Biotin |
| 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

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| Amount : | 0.1 mg |
| Storage condition : | Store at 2-8°C. Do not freeze. |

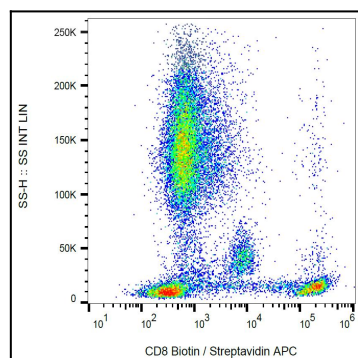


Figure 1: Surface staining of human peripheral blood using anti-human CD8 (clone MEM-31) biotin.