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## **CD8 (HIT8a) Antibody**

**Subcategory:** Mouse Monoclonal Antibody, PE-conjugated Antibody

**Cat. No.:** 251053

**Unit:** 2 ml

**Description:**

The CD8 (HIT8a) antibody recognizes a 68-kDa type-I transmembrane glycoprotein that consists of two disulfide-linked chains that form alpha homodimers or alpha/beta heterodimers. The most frequent CD8 antigen is CD8 alpha/beta heterodimer, which is expressed on 13-48 % peripheral blood suppressor/cytotoxic T lymphocytes (Ts/Tc) and 70-80% thymocytes. In addition, a proportion of ??T cells and NK cells express CD8? homodimers. CD8? requires the presence of CD8a to be expressed on the cell surface. CD8 antigen is co-receptor for HLA class-I molecules.

**Isotype:** mouse IgG1

**Applications:** FC

**Species Reactivity:** H

**Format:** Each vial contains 2 ml IgG (100 tests) in PBS pH7.4, 0.1% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

**Alternate Names:** T-cell surface glycoprotein CD8 alpha chain; T-lymphocyte differentiation antigen T8/Leu-2; CD8a antigen; CD8a; MAL

**Accession No.:** P01732

**Application Notes:** FC with whole blood: 100 ?l blood + 20 ?l antibody; FC with cells: 10E6 cells + 20 ?l antibody. FC: 1:200-1:1,000

**Storage:** Store at 4°C. Product is guaranteed 6 months from the date of shipment.

**Product Citations:** Schlossman S. et al., eds. 1995. Leucocyte Typing V: White Cell Differentiation Antigens. P246, Oxford University Press, New York; Shen DC., et al., 1990. Shanghai J. of Immunol. 10(3):147; Yang CY., et al. 1993. J. of Monoclonal Antibody. 9(4):42.

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