

Anti-Human CD8a PE Antibody (OKT8)

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| CATALOG NO: | A1583-25 25 tests A1583-100 100 tests |
| ALTERNATIVE NAMES: | CD8 |
| FORMAT/CONJUGATE: | PE |
| HOST/ISOTYPE: | Mouse IgG2a |
| CLONALITY: | Monoclonal |
| CLONE: | OKT8 |
| SPECIES REACTIVITY: | Human |
| PURIFICATION: | Affinity chromatography. Unreacted dye was removed from the product. |
| FORM: | Liquid |
| FORMULATION: | Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2. |
| STORAGE CONDITIONS: | The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze |
| DESCRIPTION: | <p>The OKT8 monoclonal antibody specifically reacts with human CD8α molecule, a type I transmembrane glycoprotein of 32-34 kDa. CD8α is a member of the Ig superfamily, expressed as a homodimer (CD8αα) or as a heterodimer (CD8αβ). CD8+ αβ T lymphocytes express both CD8αα and CD8αβ, while some T lymphocytes and the natural killer cells express only the homodimers. CD8 binds to MHC class I and influences the development and the activation of T lymphocytes.</p> <p>OKT8, RPA-T8, and HIT8a antibodies do not compete with each other for binding to peripheral leukocytes, meaning that they do not recognize the same epitope or block each other by steric hindrance.</p> |
| APPLICATION: | <p>Flow Cytometry (Cell Surface): 5µl (0.06 ug) / 1x10⁶ cells per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 µL.</p> <p>Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.</p> |

Laser: Blue (488nm), Yellow/Green (532-561nm)

Peak Emission: 578nm

Peak Excitation: 496nm

Filter: 585/40

Brightness (1=dim, 5=brightest): 5

RELATED PRODUCTS:

- CD8 FITC Monoclonal Antibody (Clone OKT-8) (**Cat. No. 6954**)
- Anti-CD8A Antibody (C8/468) (**Cat. No. A1570**)
- CD8B, human recombinant (**Cat. No. 7320**)
- Human CellExp™ CD8b, Human Recombinant (**Cat. No. P1244**)
- QuickDetect™ CD8 (Human) ELISA Kit (**Cat. No. K4418**)

FOR RESEARCH USE ONLY! Not to be used on humans.