

Anti-Human CD8a PE Antibody (OKT8)

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 tyPEI 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 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.