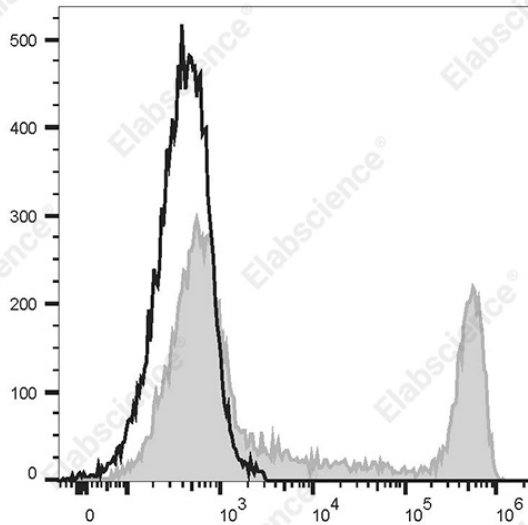


Product name:	PE/Cyanine7 Anti-Human CD8a Antibody[OKT-8]
Cat number:	MAB1110H
Conjugate:	PE/Cyanine 7
Size:	100Tests
Clone:	OKT-8
Concentration:	5 µL/Test
Host:	Mouse
Isotype:	Mouse IgG2a, κ
Reactivity:	Human
Applications:	FCM - Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
Form:	Liquid
Buffer:	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
Storage:	This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Background:	CD8a is a 32-34 kD type I glycoprotein. It forms a homodimer (CD8a/a) or heterodimer (CD8a/b) with CD8b. CD8, also known as T8 and Leu2, is a member of the immunoglobulin superfamily found on the majority of thymocytes, a subset of peripheral blood T cells, and NK cells (which express almost exclusively CD8a homodimers). CD8 acts as a co-receptor with MHC class I-restricted T cell receptors in antigen recognition and T cell activation and has been shown to play a role in thymic differentiation. Two domains in CD8a are important for function: the extracellular IgSF domain binds the α3 domain of MHC class I and the cytoplasmic CXCP motif binds the tyrosine kinase p56 Lck.



Human peripheral blood lymphocytes are stained with PE/Cyanine7 Anti-Human CD8a Antibody (filled gray histogram). Unstained lymphocytes (empty black histogram) are used as control.