# AF/LE Purified Anti-Human CD8a Antibody[OKT-8]

**catalog number:** E-AB-F11100

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

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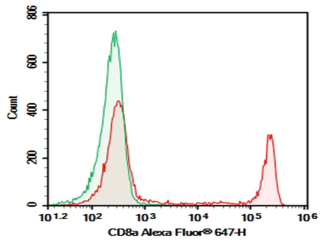
|---|---|
| **Reactivity** | Human |
| **Immunogen** | Recombinant Human CD8 protein |
| **Host** | Mouse |
| **Isotype** | Mouse IgG2a, κ |
| **Clone** | OKT-8 |
| **Purification** | >98%, Protein A/G purified |
| **Conjugation** | None (AF/LE) |
| **Buffer** | Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method . |

| Applications | Recommended Dilution |
|---|---|
| **FCM** | 2 μg/mL($1\times10^5$-$5\times10^5$ cells) |

## Data




Human peripheral blood lymphocytes were stained with 0.2 μg AF/LE Purified Anti-Human CD8a Antibody[OKT-8] (Right) and 0.2 μg Mouse IgG2a, κ Isotype Control (Left), followed by Alexa Fluor® 647-conjugated Goat Anti-Mouse IgG Secondary Antibody.

## Preparation & Storage

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|---|---|
| **Storage** | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions. |
| **Shipping** | Ice bag |

## 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.