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**Product name:** Purified Anti-Human CD8a Monoclonal Antibody

**Catalog:** DL21335F

**Synonyms:** T-cell surface glycoprotein CD8 alpha chain, CD8A, T-lymphocyte differentiation antigen T8/Leu-2, MAL

**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  $\alpha 3$  domain of MHC class I and the cytoplasmic CXCP motif binds the tyrosine kinase p56 Lck.

**Form:** Liquid

**Isotype:** Mouse IgG2a,  $\kappa$

**Size:** 25 $\mu$ g/100 $\mu$ g

**Host:** Mouse

**Reactivity:** Human

**Application:** FCM

**Concentration:** 0.5 mg/mL

**Conjugation:** Unconjugated

**SwissProt:** P01732

**Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 2.0 \mu\text{g}$  per  $10^6$  cells in 100  $\mu\text{L}$  volume or 100  $\mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Storage:**

Keep as concentrated solution.

Store at 2~8°C. Do not freeze.

This product is guaranteed up to one year from purchase.