PA007418.m2a: Non-conjugated Recombinant Anti-human CD8a Monoclonal Antibody (Clone: OKT8) for Flow Cytometry, Mouse IgG2a Kappa, In vivo Grade

Catalog No.: PA007418.m2a | **Product Name:** Recombinant Anti-human CD8a Monoclonal Antibody (Clone: OKT8), Mouse IgG2a Kappa

Recombinant mouse IgG2a isotype controls and Recombinant human IgG1 isotype controls are available. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

PRODUCT SPECIFICATIONS

Catalog No.	PA007418.m2a
Product Name	Recombinant Anti-human CD8a Monoclonal Antibody (Clone: OKT8), Mouse IgG2a Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Synonyms	cluster of differentiation 8, leu-2, T8
Clone	OKT8
Isotype	Mouse IgG2a kappa.
Source/Host	The anti-human CD8a monoclonal antibody (clone: OKT8) for Flow Cytometry was produced in mammalian cells.
Specificity/Sensitivity	The recombinant OKT8 antibody for Flow Cytometry specifically binds to human CD8a.
Applications	Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F).
Form Of Antibody	0.2 uM filtered solution, pH 7.4, containing 0.09% sodium azide.
Endotoxin	Less than 1 EU/mg of protein as determined by LAL method.
Purity	>95% by SDS-PAGE under reducing conditions.
Shipping & Storage	Shipped with ice pack. Store at 2 to 8°C as supplied (12 months from receipt). Do not freeze.

REFERENCES & BACKGROUND

The recombinant OKT8 antibody binds to the human CD8 protein (cluster of differentiation 8), a type I transmembrane glycoprotein and the co-receptor for the T-cell receptor (TCR). Along with the TCR, the CD8 co-receptor plays a role in T cell signaling and aiding with cytotoxic T cell-antigen interactions. The CD8 protein is predominantly expressed on the surface of cytotoxic T cells, but can also be found on natural killer cells, cortical thymocytes, and dendritic cells. The CD8 molecule is a marker for cytotoxic T cell population.