Anti-human CD3e Monoclonal Antibody (Clone: OKT3)

Catalog No.: PA007203.m2a | **Format:** Mouse IgG2a Kappa

Recombinant mouse IgG2a isotype control is available. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

Product Specifications

Catalog No.	PA007203.m2a
Product Name	Recombinant Anti-human CD3e Monoclonal Antibody (Clone: OKT3), Mouse IgG2a Kappa
Supplier Name	Syd Labs, Inc.
Synonyms	cluster of differentiation 3, CD3D, CD3E, CD3G
Clone	OKT3 or OKT-3.
Isotype	Mouse IgG2a kappa.
Source/Host	The anti-human CD3 monoclonal antibody (clone: OKT3) for Flow Cytometry was produced in mammalian cells.
Specificity/Sensitivity	The recombinant mouse monoclonal antibody (clone: OKT3) for Flow Cytometry specifically binds to the human T cell receptor CD3.
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.
Purity	>95% by SDS-PAGE under reducing conditions and HPLC.
Shipping & Storage	Shipped with ice pack. Store at 2 to 8°C as supplied. 12 months from date of receipt. Do not freeze.

Product Description & Background

The OKT3 antibody binds to CD3 epsilon of the T cell receptor-CD3 complex found only on mature T cells and medullary thymocytes. An interaction between T cells, OKT3, and monocytes causes T-cell activation (mitogenesis) in vitro. The OKT3 antibody blocks the unique association between the antigen receptor and CD3, and both the generation and function of cytotoxic T cells.

The OKT3 antibody is effective for induction of immunosuppression and for treating initial and steroid-resistant rejections.