Anti-Human CD3e Monoclonal Antibody (Clone: OKT3, Human IgG1 Fc Silent Kappa)

Catalog No.: PA007203.h1Fs | **Product Name:** Recombinant Anti-human CD3e Monoclonal Antibody (Clone: OKT3), Human IgG1 Fc Silent 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.h1Fs
Product Name	Recombinant Anti-human CD3e Monoclonal Antibody (Clone: OKT3), Human IgG1 Fc Silent Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Synonyms	cluster of differentiation 3, CD3D, CD3E, CD3G
Clone	OKT3 or OKT-3.
Isotype	Human IgG1 Fc Silent Kappa
Source/Host	Produced in mammalian cells.
Specificity/Sensitivity	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 receipt). Do not freeze.

BACKGROUND & APPLICATION INFORMATION

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.