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Antibody to Human CD3 (epsilon chain)
MOUSE MONOCLONAL

Catalog Number: PRP-144ANT
Quantity: 500 micrograms, 1 milligram
Format: Lyophilized
Host: Mouse
Isotype: IgG2a
Clone: hCD3
Immunogen: purified human PBL T-cells

Background:

CD3 consists of four peptide chains (gamma, delta, epsilon, and zeta). Defects in CD3 are associated with T-cell immunodeficiency. This complex also mediates signal transduction.

Specificity and Preparation:

Mouse anti-human CD3 (epsilon chain) is purified by ion exchange chromatography. The protein concentration is 1 mg/ml in PBS after reconstitution.

Usage and Storage:

Reported to be effective as a blocking, staining and activating antibody. For staining, use 10 μ l/10⁶ cells. The titer for blocking and activating T-cells should be determined by the investigator. Reconstitute with sterile H₂O. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. In lyophilized form, for long periods, store at 4°C. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Antibody is stable for two years lyophilized, one month in solution at 4°C.

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