



10451 ROSELLE STREET, #300, SAN DIEGO, CA 92121  
TELEPHONE (858) 642-1988 • FAX (858) 642-1989  
WWW.ATSBIO.COM • ATS@ATSBIO.COM

**Antibody to Human CD3 (epsilon chain)**  
MOUSE MONOCLONAL

**Catalog Number:** AB-416  
**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 column. Protein concentration is 1 mg/ml in PBS (after reconstitution).

**Usage and Storage:**

Applications include blocking, staining and activating antibody. For staining, use  $10\mu\text{l}/10^6$  cells. Titer for blocking and activating T cells should be determined by the investigator.

Reconstitute with sterile H<sub>2</sub>O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use. 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.

**To view protocol(s) for this and other products please visit: [www.ATSBio.com/protocols](http://www.ATSBio.com/protocols)**