

## 43-1028: Monoclonal Antibody to Human CD3 NALE™ Purified (Clone: UCHT1)

**Clonality :** Monoclonal  
**Clone Name :** UCHT1  
**Application :** FACS  
**Reactivity :** Human  
**Gene :** CD247  
**Gene ID :** 919  
**Uniprot ID :** P20963  
**Isotype :** Mouse IgG1, kappa

### Description

The UCHT1 monoclonal antibody specifically reacts with the Epsilon chain of the CD3/T lymphocyte antigen receptor complex. The CD3 complex contains Gamma, Delta, and Epsilon chains, and it is part of the TCR complex, expressed by all mature T lymphocytes and by the thymocyte lineage. CD3 enhances the antigen recognition by signal transduction. Unlike HIT3a, another specific antibody of CD3, the UCHT1 antibody can stain both the surface and intracellular CD3Epsilon. The immobilized UCHT1 can cross-link with the TCR complex, enhancing cellular activation and proliferation.

### Product Info

**Amount :** 100ug / 500 µg  
**Content :** 2 mg/ml in Phosphate-buffered aqueous solution, pH7.2.  
**Storage condition :** The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

### Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.