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36-3469: Anti-CD3e (T-Cell Marker) Monoclonal Antibody(Clone: UCHT1)

Clonality :	Monoclonal
Clone Name :	UCHT1
Application :	ELISA,FACS,IF,IHC
Reactivity :	Human
Gene :	CD3E
Gene ID :	916
Uniprot ID :	P07766
Alternative Name :	CD3 epsilon; CD3 TCR complex; T cell antigen receptor complex epsilon subunit of T3; T-cell surface antigen T3/Leu-4 epsilon chain; T-cell surface glycoprotein CD3 epsilon chain; T3E; TCRE; TiT3 complex
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Human infant thymocytes and peripheral blood lymphocytes from a Sezary Syndrome donor

Description

Recognizes the epsilon-chain of CD3, which consists of five different polypeptide chains (designated as gamma, delta, epsilon, zeta, and eta) with MW ranging from 16-28kDa. The CD3 complex is closely associated at the lymphocyte cell surface with the T cell antigen receptor (TCR). Reportedly, CD3 complex is involved in signal transduction to the T cell interior following antigen recognition. The CD3 antigen is first detectable in early thymocytes and probably represents one of the earliest signs of commitment to the T cell lineage. In cortical thymocytes, CD3 is predominantly intra-cytoplasmic. However, in medullary thymocytes, it appears on the T cell surface. CD3 antigen is a highly specific marker for T cells, and is present in majority of T cell neoplasms.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (Use Ab at 2-4ug/ml for coating) (Order Ab without BSA); ,Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml). ,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),

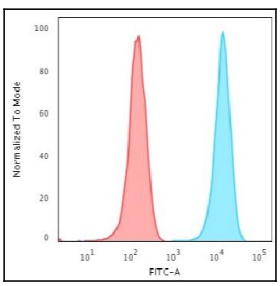


Fig. 1: Flow Cytometric Analysis of Jurkat cells. CD3e Mouse Monoclonal Antibody (UCHT1) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

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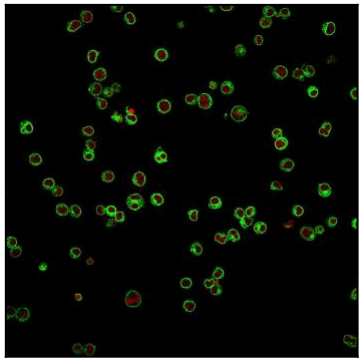


Fig. 2: Immunofluorescence Analysis of Jurkat cells labeling CD3e with CD3e Mouse Monoclonal Antibody (UCHT1) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red).

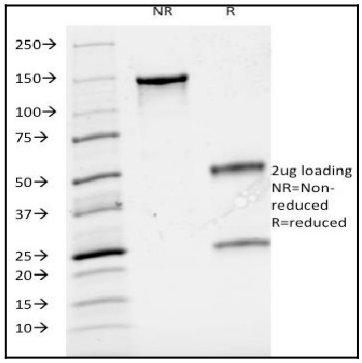


Fig. 3: SDS-PAGE Analysis Purified CD3e Mouse Monoclonal Antibody (UCHT1). Confirmation of Integrity and Purity of Antibody

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