

Product datasheet for **TA363836**

CD3E Mouse Monoclonal Antibody [Clone ID: UCHT-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UCHT-1
Applications:	IHC
Recommended Dilution:	Tested for immunohistochemistry (IHC); has been described to work in FACS. Approximate working dilution for IHC: Frozen sections: 0.2µg/ml (1:1000) Paraffin sections: not determined Optimal dilutions should be determined by the end user. Suggested positive control: Human tonsil.
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	Human thymocytes followed by Sezary T cells.
Specificity:	Human: CD3 Other: not tested.

Epitope: The antigen is CD3. The epitope is located on the ϵ chain.

Distribution: Isolated cells: The antibody stains approximately 60-90% of human peripheral blood mononuclear cells in flow cytometry.

Formulation: Affinity purified, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.2mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA), and 0.09% sodium azide as a preservative.

Concentration: N/A

Conjugation: Unconjugated

Storage: Original vial: 1 year at 4° - 8°C. Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.

Gene Name: CD3e molecule

Database Link: [Entrez Gene 916 Human P07766](#)



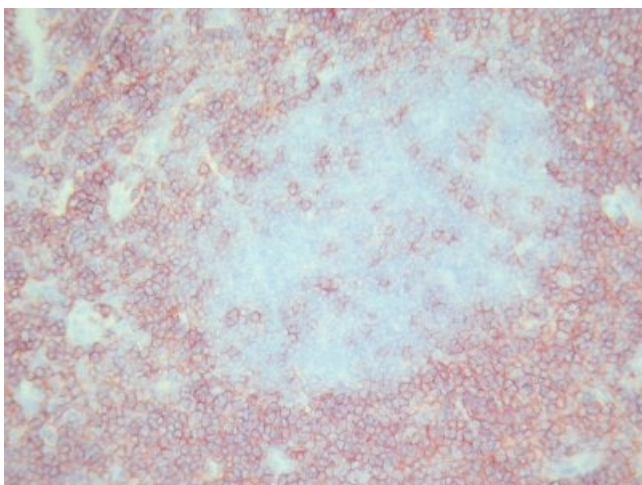
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Background:

Monoclonal antibody UCHT-1 recognizes the CD3 antigen on mature human T-cells. The CD3 antigen is a protein complex composed of four distinct chains (CD3 γ , CD3 δ and two CD3 ϵ) that associate with the T cell receptor (TCR) and the ζ -chain to generate an activation signal in T lymphocytes. The TCR, ζ -chain and CD3 molecules together comprise the TCR complex. The CD3 γ , CD3 δ and CD3 ϵ chains are highly related cell surface proteins of the immunoglobulin superfamily containing a single extracellular immunoglobulin domain.

Synonyms:

CD3-epsilon; FLJ18683; T3E; TCRE

Product images:

TA363836, Clone UCHT-1, human tonsil, frozen section