

## Anti-CD3 epsilon Antibody [UCHT1] (A250495)

### Specifications:

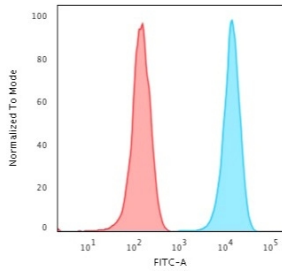
Name:	Anti-CD3 epsilon Antibody [UCHT1]
Description:	Mouse monoclonal [UCHT1] antibody to CD3 epsilon.
Specificity:	This antibody recognizes the epsilon-chain of CD3, which consists of five different polypeptide chains (designated as gamma, delta, epsilon, zeta, and eta) with MW ranging from 16-28kDa. 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.
Applications:	ELISA, Flow Cytometry, IF, IHC
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml, IHC: 1-2 µg/ml
Reactivity:	Human, Chimpanzee
Immunogen:	Human infant thymocytes and peripheral blood lymphocytes from a Sezary Syndrome donor.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	UCHT1
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-CD3 epsilon Antibody [UCHT1] - BSA and Azide free (A253675).

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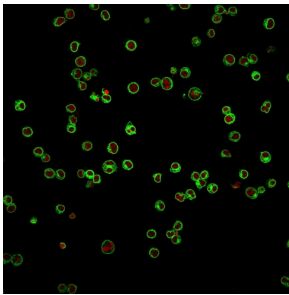
## Specifications continued:

**Disclaimer:** This product is for research use only. It is not intended for diagnostic or therapeutic use.

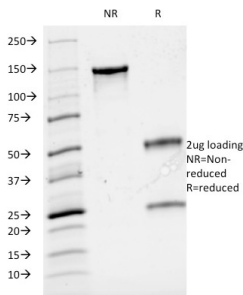
## Images:



Flow cytometric analysis of Jurkat cells using Anti-CD3 epsilon Antibody [UCHT1] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Isotype Control (Red).



Immunofluorescent analysis of Jurkat cells stained with Anti-CD3 epsilon Antibody [UCHT1] followed by Goat Anti-Mouse IgG (CF® 488) (Green). The nuclear counterstain is RedDot (Red).



SDS-PAGE analysis of Anti-CD3 epsilon Antibody [UCHT1] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.