

Anti-CD3 epsilon [UCHT1] Standard Size Ab00112-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors. Developed in partnership with Ximbio (www.ximbio.com).

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: UCHT1

Alternative Name(s) of Target: CD3e; T-cell surface glycoprotein CD3 epsilon chain; T-cell surface antigen T3/Leu-4 epsilon chain; CD3-ε;

UniProt Accession Number of Target Protein: P07766

Published Application(s): FC, IHC

Published Species Reactivity: Human

Immunogen: Human infant thymocytes.

Specificity: Epitopes on CD3-ε found in heterodimers with CD3-δ and with CD3-γ of α/β T cell receptor (TCR).

Application Notes: This antibody binds to murine CD3 epsilon. It partially cross-blocks binding of clone 500A2 (Ab00212) indicating that overlapping epitopes are detected by these antibodies.

Antibody First Published in: Beverley PC, Callard RE. Distinctive functional characteristics of human "T" lymphocytes defined by E rosetting or a monoclonal anti-T cell antibody. Eur J Immunol. 1981 Apr;11(4):329-34. [PMID:6788570](https://pubmed.ncbi.nlm.nih.gov/6788570/)

Note on publication: Describes the generation of the antibody, shows it recognised human T lymphocytes using flow cytometry and functional assays.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.