

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

Recombinant monoclonal antibody to CD3 epsilon. Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the hybridoma UCHT1. 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).

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

Clone Number: UCHT1

Alternative Name(s) of Target: 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

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.