

Anti-CD3 zeta [G3] Standard Size Ab01467-13.12

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2c format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG4-S228P, Kappa

Clone Number: G3

Alternative Name(s) of Target: TCR zeta; CD3z; TCRz; CD247; T-cell surface glycoprotein CD3 zeta chain; T-cell receptor T3 zeta chain; CD3-zeta; TCR-zeta

UniProt Accession Number of Target Protein: P20963

Published Application(s): IP, WB, ELISA

Published Species Reactivity: Human, Mouse

Immunogen: This antibody was raised by immunising BALB/c mice with a 113 amino acid synthetic peptide corresponding to the cytoplasmic domain of murine CD3 zeta.

Specificity: This antibody recognises COOH-terminal region of CD3 zeta which is a part of the TCR-CD3 complex present on all mature T-lymphocyte cells and is crucial in the adaptive immunity.

Application Notes: G3 antibody might be utilised in the detection and analysis of T cells as well as in research on lymphoid malignancies. This antibody was shown to exhibit strong affinity to CD3 zeta in ELISA and Western blot and to be very effective in precipitating CD3 zeta (as well as its phosphorylated form) from Jurkat T cell lysate (van Oers et al., 1994). It is also used

Antibody First Published in: van Oers et al. Production and characterization of monoclonal antibodies specific for the murine T cell receptor zeta chain. J Immunol Methods. 1994 Apr 15;170(2):261-8.

[PMID:7512608](#)

Note on publication: This article describes the generation and characterisation of G3 antibody.

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.