

Anti-CD3 epsilon [12F6] Bulk Size Ab00640-23.0-BT

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: 12F6

Alternative Name(s) of Target: Leu4/T3; ET-cell surface glycoprotein CD3 epsilon chain; T-cell surface antigen T3/Leu-4 epsilon chain; CD3e

UniProt Accession Number of Target Protein: P07766

Published Application(s): Activate, FC

Published Species Reactivity: Human

Immunogen: Human CD3

Specificity: This antibody binds to human CD3.

Application Notes: This antibody competes for CD3 binding with the therapeutic antibody OKT3 (Ab00122). 12F6 binding to CD3 on human T-cells stimulates the secretion of TNF-alpha, INF-gamma and IL-10. Humanized versions of this antibody are also available.

Antibody First Published in: Wong & Colvin Bi-specific monoclonal antibodies: selective binding and complement fixation to cells that express two different surface antigens. J Immunol. 1987 Aug 15;139(4):1369-74. [PMID:3112233](#)

Note on publication: Describes generation of anti-CD3 antibody and further use in generation of bi-specific hybrid-hybridoma.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.