Anti-Vα TCR [34] Bulk Size Ab00517-23.0-BT

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

Isotype and Format: Rabbit IgG, Kappa
Clone Number: 34
Alternative Name(s) of Target: TCR variable alpha chain; T-cell receptor variable alpha chain
UniProt Accession Number of Target Protein: P01848
Published Application(s): WB, ELISA, FC
Published Species Reactivity: Human
Immunogen: Purified recombinant soluble TCR from the T-cell hybridoma 85.33, corresponding to V alpha 11
Specificity: This antibody binds to the T-cell receptor alpha chains.
Application Notes: The antibody binds specifically to the recombinant and native variable domain of the α chain which comprises the T-cell receptor (TCR). The TCR is a disulfide-linked heterodimeric protein expressed on the surface of T-cells in complex with CD3 and ζ-chain molecules. The receptor functions in the recognition of MHC molecule and the subsequent activation of T-cells. The monoclonal antibody 34 recognises Vα regions of TCRs expressed in the 85.33 arthritogenic T-cell hybridoma and can be used to analyse TCR V gene expression and for immunotherapy in T cell mediated autoimmunity.
Antibody First Published in: Popov S, Hubbard JG, Ward ES. A novel and efficient route for the isolation of antibodies that recognise T cell receptor V alpha(s). Mol Immunol. 1996 Apr;33(6):493-502. PMID:8700165
Note on publication: Describes the isolation of scFv fragments that recognise both the recombinant and native Vα chain expressed on the surface of T-cells, and their characterization.

Product Form

Size: 1 mg Purified antibody in bulk size.
Purification: Protein A affinity purified
Supplied In: PBS only.
Storage Recommendation: Store at 4ºC for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommed this antibody be handled under sterile conditions. For longer

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storage, aliquot and store at -20ºC.
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.

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