Anti-V(beta)3 TCR [JOVI.1] Bulk Size Ab00846-2.0-BT

Developed in partnership with Ximbio (www.ximbio.com).

Isotype and Format: Mouse IgG2a, Kappa
Clone Number: JOVI.1
Alternative Name(s) of Target: V(beta)3 T cell receptor (TcR)
UniProt Accession Number of Target Protein:
Published Application(s): FACS, IP, IF, IHC
Published Species Reactivity: Human
Immunogen: Thymus, spleen and mesenteric lymph nodes isolated from a mouse transgenic for human Vb3 TcR.
Specificity: This antibody binds to human V-beta 3 chain of the T-cell receptor. In particular this antibody binds to the TRBC1 variant but not the TRBC2 variant.
Application Notes: This antibody can be used to detect the TCR beta chain in a majority (50-75%) of T-cell receptors by flow cytometry, immunofluorescence and can immunoprecipitate the TCR beta protein (variant 1). Recently it has been combined into a chimeric antigen antigen receptor therapy approach to selectively deplete a subset of T-cells in T-cell lymphomas or leukaemias, whilst leaving the non-reactive T-cell subset intact.
Antibody First Published in: Viney et al. Generation of monoclonal antibodies against a human T cell receptor beta chain expressed in transgenic mice. Hybridoma. 1992 Dec;11(6):701-13 PMID:1284120
Note on publication: Describes the generation and initial characterisation of the reactivity of this antibody clone.

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 recommed this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.
Concentration: 1 mg/ml.

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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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