

Mouse anti-Human TCR Cbeta1 Monoclonal Antibody | anti-TCRCbeta1 antibody

Anti-Hu TCR Cbeta1 PE

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA129159	Mouse	Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

TCR Cbeta1; Monoclonal Antibody; Anti-Hu TCR Cbeta1 PE; TCRCB1; TRBC1; T cell receptor beta constant 1; anti-TCRCbeta1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a kappa
Clone Number	JOVI.1
Specificity	The mouse monoclonal antibody JOVI.1 recognizes an extracellular epitope on TCR Cbeta1 (TRBC1).
Purity/Purification	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS), pH7.4, 15mM sodium azide.
Applicable Applications for anti-TCRCbeta1 antibody	FCM/FACS (Flow Cytometry)
Conjugation	PE
Immunogen	Thymus, Spleen, and Mesenteric lymph nodes isolated from a mouse transgenic for human TCR Vbeta3Cbeta1
Excitation Laser	Blue (488nm)
Preparation and Storage	Store at 2-8°C. Do not freeze. Protect from prolonged exposure to light.

ADDITIONAL INFORMATION

References	*Huppa JB, Ploegh HL: In vitro translation and assembly of a complete T cell receptor-CD3 complex. J Exp Med. 1997 Aug 4;186(3):393-403., URL: https://www.ncbi.nlm.nih.gov/pubmed/9236191,*Viney JL, Prosser HM, Hewitt CR, Lamb JR, Owen MJ: Generation of monoclonal antibodies against a human T cell receptor beta chain expressed in transgenic mice. Hybridoma. 1992 Dec;11(6):701-13., URL: https://www.ncbi.nlm.nih.gov/pubmed/1284120,*San José E, Alarcón B: Receptor engagement transiently diverts the T cell receptor heterodimer from a constitutive degradation pathway. J Biol Chem. 1999 Nov 19;274(47):33740-6., URL: https://www.ncbi.nlm.nih.gov/pubmed/term=receptor+engagement+transiently+diverts+the,*Pasare C, Mukherjee P, Verhoef A, Bansal P, Mendiratta SK, George A, Lamb JR, Rath S, Bal V: T cells in mice expressing a transgenic human TCR beta chain get positively selected but cannot be activated in the periphery by signaling through TCR. Int Immunol. 2001 Jan;13(1):53-62., URL: https://www.ncbi.nlm.nih.gov/pubmed/term=pasare+c+mukherjee+p,*Martin EP, Arnaud J, Alibaud L, Gouaillard C, Llobera R, Huchengq-Champagne A, Rubin B: Molecular mechanisms in the TCR (TCR alpha beta-CD3 delta epsilon, gamma epsilon) interaction with zeta 2 homodimers: clues from a 'phenotypic revertant' clone. Int Immunol. 1999 Jul;11(7):1005-15., URL: https://www.ncbi.nlm.nih.gov/pubmed/term=martin+ep+arnaud+j+alibaud+l
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NCBI AND UNIPROT INFORMATION

NCBI GI #	294862488
UniProt Accession #	P01850; A0A5B8; A6NH51
NCBI Official Full Name	T-cell receptor beta-1 chain C region
UniProt Protein Name	T-cell receptor beta-1 chain C region
UniProt Gene Name	TRBC1
UniProt Entry Name	TRBC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/tcr-cbeta1-antibody-clone-jovi-1-flow-cytometry-elisa/129159>