

Mouse anti-Human TCR C beta 1 Monoclonal Antibody | anti-TCR C beta 1 antibody

anti-human TCR C beta 1-Biotin

CATALOG # AAA78183	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
------------------------------	----------------------	----------------------------	---

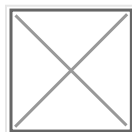
PRODUCT SYNONYMS

TCR C beta 1; Monoclonal Antibody; anti-human TCR C beta 1-Biotin; Monoclonal anti-human TCR Cb/Biotin; anti-TCR C beta 1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	Jovi-1
Form/Format	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN3 (as a preservative).
Concentration	1.0 mg/ml (varies by lot)
Applicable Applications for anti-TCR C beta 1 antibody	FCM/FACS (Flow Cytometry)
Performance	Five x 10 ⁵ cultured Jurkat cells were washed and incubated 45 minutes on ice with 80 ml anti-TCR Cb1 at 10 mg/ml. Cells were washed twice and incubated with 50 ml of 2 degree reagent as described above, after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 1.1 log ₁₀ fluorescent units when compared to a Mouse IgG2a/Biotin negative control at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20l of 0.5 mg anti-TCR Cb1 anti body.
Conjugation	Biotin
Production	Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.
Buffer	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN3 (as a preservative).
Immunogen	Human HA1.7 TCR beta chain expressed on transgenic mouse cells
Preparation and Storage	Store at 2 - 5 degree C. Freeze/thawing not recommended. Product should retain activity for at least 12 months after shipping date when stored as recommended.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-TCR C beta 1 antibody	Information: Human T cell receptor (TCR) is a T cell surface expressed heterodimer of α/β or γ/δ chains. TCR's recognize antigen peptides bound to MHC molecules forming the basis of antigen specific response by T cells. Antibody JOVI-1 recognizes human C-Beta-1 TCR gene product and reacts with 50-75% of T cells in normal human blood. Antibody JOVI-1 is mitogenic for T cells expressing TCR C-Beta-1.
References	J.L. Viney, et al, (1992) Hybridoma 11: 701-713. A. Weiss, (1993) Cell 73: 209-212. M.M. Daris, (1995) Nature 375: 104. S. Valitutti, et al, (1995) Nature 375: 148-151.

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-c-beta-1-antibody-clone-jovi-1-flow-cytometry-elisa/78183>