PERFORMANCE DATA SHEET

1619

Monoclonal anti-human TCR Vβ3*



mAb name/Clone: **JOVI-3** *Isotype*: Mouse IgG2aλ

Immunogen: Human HA1.7 TCR β chain expressed on transgenic mouse cells

CATALOG#: 102-020 QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

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-3 is specific for the human V β 3 TCR gene product and reacts with 1-10% of T cells in normal human blood. Antibody JOVI-3 is mitogenic for T cells expressing TCR V β 3.

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.

STORAGE CONDITIONS: *Store at 2 - 5^oC*. Freeze/Thawing is not recommended.

PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:

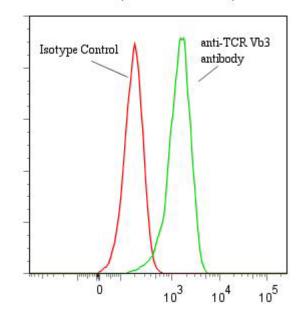
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE with less than 1% Bovine Immunoglobulin.

Binding of anti-TCR Wh3 antibody to

PERFORMANCE: Five x 10^5 cultured **CH7C17** tumor cells (HA1.7 V β 3+ transfectant) were washed and incubated 45 minutes on ice with 80 μ l of anti-TCR V β 3 at 5 μ g/ml. Cells were washed twice and incubated with 2^0 reagent Goat anti-Mouse/FITC (cat #232-010), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.9** \log_{10} fluorescent units when compared to a Mouse IgG2a isotype control (Catalog # 281-010).

Binding of anti-TCR Vb3 antibody to CH7C17 cells (Vb3 transfectants)



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^{*} Research Use Only. Not for use in Diagnostic procedures.