

Monoclonal Antibody to T Cell Receptor (TCR) Vb 7 - FITC

Alternate names:	TCR V beta-7, TCR Vb7
Catalog No.:	SM088F
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Host / Isotype:	Rat / IgG2b
Clone:	TR310
Immunogen:	T-cell lymphoma TK1. Spleen cells from immunised mice were fused with cells of the P3-X63 Ag8.3 rat myeloma cell line.
Format:	State: Liquid purified IgG fraction. Purification: Affinity Chromatography on Protein A Buffer System: PBS containing 0.09% Sodium Azide as preservative and 0.5% Bovine Serum Albumin as stabilizer. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: Use 10 µl of neat antibody to label 1x10 ⁶ cells in 100 µl. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with the TCR V beta 7 bearing T cells. Note that TCR V beta 7 may not be present in strains expressing MIS-1a haplotype. Species: Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Okada CY, Holzmann B, Guidos C, Palmer E, Weissman IL. Characterization of a rat monoclonal antibody specific for a determinant encoded by the V beta 7 gene segment. Depletion of V beta 7+ T cells in mice with Mls-1a haplotype. J Immunol. 1990 May 1;144(9):3473-7. PubMed PMID: 1691759. 2. Suhihara, S. et al. (1993) Autoimmune thyroiditis induced in mice depleted of particular T cell subsets. J. Immunol. 150: 683-694. 3. Ignatowicz, L. et al. (1994) Identification of two Vb7-specific viral superantigens. J. Immunol. 152: 65-71.