

**AM39063SU-N****Monoclonal Antibody to T Cell Receptor (TCR) V beta 16 - Supernatant**

<b>Alternate names:</b>	TCR V beta-16, TCR Vb16
<b>Quantity:</b>	1 ml
<b>Background:</b>	The subpopulation of HIS 42 positive T cells contains both CD4 and CD8 positive cells, in the same ratio as found in the peripheral T cell population. When bound to Sepharose beads, HIS 42 induces T cell proliferation in the presence of IL-2. In contrast to lymph node T cells a number of thymocytes are found to express HIS 42 only in the cytoplasm or together with membrane expression. Most bright HIS 42 surface labelled thymocytes are also positive for MRC OX-44, a marker predominantly identifying mature thymocytes.
<b>Host / Isotype:</b>	Mouse / IgG2b
<b>Clone:</b>	HIS42
<b>Format:</b>	<b>State:</b> Liquid Cell Culture Supernatant <b>Preservatives:</b> 0.09% Sodium Azide <b>Stabilizers:</b> 8% (v/v) FBS
<b>Applications:</b>	Flow Cytometry. Immunofluorescence. Immunohistochemistry on Frozen Sections. Immunoprecipitation. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	The antibody reacts with Vbeta16 T-cell receptor; it recognizes subpopulations of peripheral CD4+ T cells and CD8+ T cells, intestinal lymphocytes and thymocytes. HIS42 monoclonal antibody induces IL-2 dependent T cell mitogenesis.
<b>Species Reactivity:</b>	<b>Tested:</b> Rat.
<b>Storage:</b>	Store undiluted at 2-8°C. Shelf life: one year from despatch.
<b>General Readings:</b>	J. Kampinga et al. Thymocyte differentiation and thymic micro-environment development in the fetal rat thymus: an immunological approach. In: Thymus Update 3. The role of the thymus in tolerance induction. Eds. M.D. Kendall and M.A. Ritter. Harwood Academic Publishers GmbH, Switzerland (1990) J. Kampinga et al. A monoclonal antibody to a determinant of the rat Tcell antigen receptor expressed by a minor subset of T cells. Int. Immunol. 1, 289, (1989)