

Product datasheet for **AM39063SU-N**

T Cell Receptor (TCR) V beta 16 Mouse Monoclonal Antibody [Clone ID: HIS42]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HIS42
Applications:	IF, IHC, IP
Recommended Dilution:	Flow Cytometry. Immunofluorescence. Immunohistochemistry on Frozen Sections. Immunoprecipitation.
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Specificity:	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.
Formulation:	State: Supernatant State: Liquid Cell Culture Supernatant Stabilizer: 8% (v/v) FBS Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Background:	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.
Synonyms:	TCR V beta-16, TCR Vb16



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