AM03074LE-N   Monoclonal Antibody to T Cell Receptor (TCR) V beta 5 - Endotoxin Low

Alternate names:	TCR V beta-5, TCR Vb5
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Host / Isotype:	Mouse / IgG2a
Clone:	MEM-262
Immunogen:	Human thymoma cell line HPB-ALL
Format:	**State:** Liquid Ig fraction **Purification:** Protein-A affinity chromatography (> 95% pure by SDS-PAGE) **Buffer System:** Azide free phosphate buffered saline (PBS), approx. pH 7.4; 0.2 µm filter sterilized **Endotoxin Level:** Less than 0.01 EU/µg of the protein, as determined by the LAL test
Applications:	**Flow cytometry.** **Immunoprecipitation.** **Western blot:** Uniquely recognizes denatured TCR beta chains under the conditions of Western blot. **Functional application:** Activates T cells (V beta 5-related subset). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This anti body recognizes beta chains of the TCR expressed by HPB-ALL cell line [carrying V(beta5.3)] and a small subset of peripheral blood T cells. This subset is larger than that recognized by other V(beta5.3)-specific antibodies.
Species Reactivity:	**Tested:** Human
Storage:	Store undiluted at 2-8°C. **DO NOT FREEZE!** Shelf life: one year from despatch.
General Readings:	1. Pavlistová D, Drbal K, Hilgert I, Horejsí V. A novel monoclonal reagent recognizing native and denatured Vbeta5.3-related chains of human T cell receptor. Immunol Lett. 2003 Aug 5;88(2):105-8. PubMed PMID: 12880678.