

**AM03074AF-N****Monoclonal Antibody to T Cell Receptor (TCR) V beta 5 - Azide Free**

**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 purified IgG fraction (> 95% pure by SDS-PAGE).  
**Purification:** Protein A affinity chromatography.  
**Buffer System:** PBS, pH 7.4 without preservatives.

**Applications:** Flow Cytometry.  
Immunoprecipitation.  
Western Blotting: Uniquely recognizes denatured TCR beta chains.  
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:** The antibody MEM-262 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:** Human.  
Other species not tested.

**Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.  
Avoid repeated freezing and thawing.  
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.