

Product datasheet for **AM05184AC-N**

IL2 Receptor alpha (IL2RA) Mouse Monoclonal Antibody [Clone ID: 1TYV]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1TYV
Applications:	FC
Recommended Dilution:	Flow Cytometry. Monitoring of activated T cells in peripheral blood. Analysis of NK subsets. Study of B cell activation.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	CD25=Derived from the hybridization of mouse NS-1 myeloma cells with spleen cells of BALB/c mice immunized with PHA-activated human T-lymphocytes.
Specificity:	Identification of human receptor for Interleukin-2 (IL-2R) expressing the 55,000 M.W. surface antigen. This antibody is specific for Interleukin-2 Receptor Lymphocytes.
Formulation:	PBS containing 0.2% protein carrier and 0.08% Sodium Azide as preservative. Label: APC State: Liquid purified IgG fraction.
Concentration:	lot specific
Conjugation:	APC
Storage:	Store the antibody undiluted at 2-8°C. Do Not Freeze!
Stability:	Shelf life: One year from despatch.
Gene Name:	interleukin 2 receptor subunit alpha
Database Link:	Entrez Gene 3559 Human P01589



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- Background:** The Interleukin 2 Receptor alpha and beta chains, together with the common gamma chain, constitute the high affinity IL2 receptor present on activated T and B cells, thymocyte subset, pre B cells and T regulatory cells. Homodimeric alpha chains result in low affinity receptor, while homodimeric beta chains produce a medium affinity receptor. Normally an integral membrane protein, soluble IL2 Receptor alpha has been isolated and determined to result from extracellular proteolysis. Alternately spliced IL2 Receptor alpha mRNAs have been isolated, but the significance of each is presently unknown.
- Synonyms:** Interleukin-2 receptor alpha chain, IL-2 receptor alpha subunit, IL-2-RA, IL2-RA, p55, TAC antigen
- Note:** Protocol: **PBMC:**
Add 10 ul of MAB/10e6 PBMC in 100 ul PBS.
Mix gently and incubate for 15 minutes at 2-8°C.
Wash twice with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze.
- WHOLE BLOOD:**
Add 10 ul of MAB/100 ul of whole blood.
Mix gently and incubate for 15 minutes at room temperature (20°C).
Lyse the whole blood.
Wash once with PBS and analyze or fix with 0.5% v/v of paraformaldehyde in PBS and analyze.
See instrument manufacturers instructions for Lysed Whole Blood and Immunofluorescence analysis with a flow cytometer or microscope.