

Product datasheet for **TA386156**

IL2 Receptor alpha (IL2RA) Mouse Monoclonal Antibody [Clone ID: AHT107]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AHT107
Applications:	BI, ELISA, FC
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	BALB/c mice were immunized with human T lymphoblasts and spleen cells of the immunized animals were fused with X63-Ag8.653 mouse myeloma cells. The supernatants of the resultant hybridomas were screened by a proliferation inhibition assay (inhibition of the human T lymphoblast response to IL-2). Two of those (the clones AHT54 and AHT107) that produced antibodies which inhibited IL-2 dependent proliferation of human T lymphoblasts were selected, cloned and recloned.
Specificity:	<p>AHT107 binds to a different epitope than IL-2. Suggested that determinant recognised by AHT107 is involved in formation of the high-affinity binding site of the p55 + p75 heterodimeric complex of the IL-2R in a way which does not disturb the interaction of the p55 molecule and IL-2, and that the high-affinity class of the IL-2R is responsible for mediating the growth signal at physiological concentrations of IL-2.</p> <p>This antibody has been used to create a chimeric antibody with a murine variable region and human constant region through the use of recombinant DNA techniques. This gave antigen specificity of the mouse, and immunogenicity, serum half-life, and effector functions of human antibodies. The chimeric antibody has been found to have a greater anti-proliferative effect on T lymphocytes (Rose 1991). AHT107 has been used in ELISAs for the detection of soluble human IL-2R in response to different forms of helminthic and protozoal infections (O. Josimovic et al. 1988).</p>
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated



[View online »](#)

Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	interleukin 2 receptor subunit alpha
Database Link:	Entrez Gene 3559 Human P01589
Synonyms:	CD25; IDDM10; IL-2-RA; IL2-RA; IL2R; p55; TCGFR