

Product Datasheet

IL2R antibody orb669735

Description	Mouse monoclonal antibody to IL2R
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	Blocking, ELISA, FC
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.
Target	IL2R
Concentration	1 mg/ml
Preservatives	PBS with 0.02% Proclin 300.
Storage	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.
Note	For research use only.
Isotype	IgG
Clonality	Monoclonal
Purity	Purified
Clone ID	AHT107
Uniprot ID	P01589
Expiration Date	12 months from date of receipt.
Application Notes	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).