

Monoclonal Antibody to CD25 / IL2RA - Supernatant

Alternate names:	IL-2 receptor alpha subunit, IL-2-RA, IL2-RA, IL2RA, Interleukin-2 receptor alpha chain, TAC antigen, p55
Catalog No.:	SM605
Quantity:	2 ml
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.
Host / Isotype:	Mouse / IgG2b
Clone:	KEI-ALPHA1
Immunogen:	Cell membrane preparation of HTLV-1 transformed rabbit T cell line. Spleen cells of immunised BALB/c mice were fused with cells of the mouse PA1 myeloma cell line.
Format:	State: Liquid Tissue Culture Supernatant Buffer System: Containing 0.2M Tris/HCl pH7.4 and 5-10% foetal calf serum and 0.09% Sodium Azide
Applications:	Flow Cytometry. Immunoprecipitation. Immunohistochemistry on frozen sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the CD25 cell surface antigen, the IL-2 receptor a chain. The antibody is reported to inhibit binding of IL-2 to the receptor. Species: Rabbit. 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. Kotani, M. et al. (1993) Generation of monoclonal antibodies to the rabbit IL-2 receptor a chain (CD25) and its distribution in HTLV-1 transformed rabbit T cells. J. Cancer. Res. 84: 770 - 775.