

## Monoclonal Antibody to CD25 / IL2RA - Purified

<b>Alternate names:</b>	IL-2 receptor alpha subunit, IL-2-RA, IL2-RA, IL2RA, Interleukin-2 receptor alpha chain, TAC antigen, p55
<b>Catalog No.:</b>	SM605P
<b>Quantity:</b>	0.25 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	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.
<b>Host / Isotype:</b>	Mouse / IgG2b
<b>Recommended Isotype Controls:</b>	SM12P, AM03110PU-N
<b>Clone:</b>	KEI-ALPHA1
<b>Immunogen:</b>	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 PAI myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction. <b>Purification:</b> Affinity Chromatography on Protein G. <b>Buffer System:</b> PBS, pH 7.4 containing 0.09% Sodium Azide as preservative.
<b>Applications:</b>	Flow Cytometry: Use 10µl of 1/100-1/200 diluted antibody to label 10e6 cells in 100 µl. Immunohistochemistry on Frozen Sections. Immunoprecipitation. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises rabbit CD5, a 55kD cell surface antigen known as the interleukin-2 (IL-2) receptor alpha chain. In rabbits, CD25 is expressed on activated T lymphocytes. The kei-al antibody is reported to inhibit the binding of IL-2 to its receptor. (1) <b>Species:</b> Rabbit. Does not react with Human. Other species not tested.
<b>Storage:</b>	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.