

## Product datasheet for **DM254-05**

### IL2 Receptor alpha (IL2RA) Mouse Monoclonal Antibody [Clone ID: IL2R.1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	IL2R.1
Applications:	IHC
Recommended Dilution:	<b>Immunohistochemistry on Paraffin Sections:</b> 1/25-1/75 in an ABC method (30 minutes at room temperature) <i>Recommended Positive Control:</i> Tonsil. Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	BALB/C mice were injected with recombinant human interleukin-2 receptor.
Specificity:	This antibody is specific to a 55 kD protein known as interleukin 2-receptor (IL-2R alpha). Cellular Localization: Cell membrane.
Formulation:	State: Purified State: Liquid purified Ig fraction Preservative: < 0.1% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 2 receptor subunit alpha
Database Link:	<a href="#">Entrez Gene 3559 Human P01589</a>



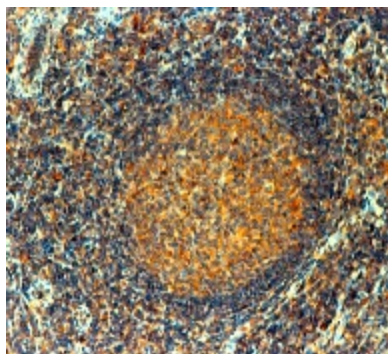
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**Background:**

IL-2R alpha is over expressed on the surface of activated T cell, HTLV-1 or HTLV-2 positive T cell lines and moderately expressed on activated B cells, NK-cells and macrophages. 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

**Product images:**

Formalin fixed paraffin embedded human tonsil stained with CD25 antibody. DM254