

## Product datasheet for **AM01310RP-N**

### IL2RA Mouse Monoclonal Antibody [Clone ID: IL-A111]

#### Product data:

|                        |   |
|------------------------|---|
| Product Type:          | Primary Antibodies  |
| Clone Name:            | IL-A111   |
| Applications:          | FC  |
| Recommended Dilution:  | Flow Cytometry: 1/10.   |
| Reactivity:            | Bovine, Sheep   |
| Host:                  | Mouse   |
| Isotype:               | IgG1  |
| Clonality:             | Monoclonal  |
| Specificity:           | This antibody recognises the CD25 cell surface antigen, a 55kDa glycoprotein also known as Interleukin-2 receptor alpha chain. Bovine CD25 is expressed by activated T cells. |
| Formulation:           | Phosphate buffered saline pH7.4 containing 0.09% Sodium Azide, 1% Bovine Serum Albumin<br>Label: PE<br>State: Lyophilised purified IgG<br>Label: R. Phycoerythrin (RPE)       |
| Reconstitution Method: | Reconstitute with 1 ml distilled water  |
| Concentration:         | lot specific  |
| Purification:          | Affinity chromatography on Protein G  |
| Conjugation:           | PE  |
| Storage:               | Prior to and following reconstitution store the antibody at 2-8°C.<br>DO NOT FREEZE!<br>This product is photosensitive and should be protected from light.                    |
| Stability:             | Shelf life: one year from despatch.   |
| Database Link:         | <a href="#">Entrez Gene 281861 Bovine P12342</a>  |



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**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.

**Synonyms:**

Interleukin-2 receptor alpha chain, IL-2 receptor alpha subunit, IL-2-RA, IL2-RA, p55, TAC antigen