

## Product datasheet for **AM01310FC-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 (Neat - 1/5): use 10 µl of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100 µl.
Reactivity:	Bovine, Sheep
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognises the bovine CD25 cell surface antigen, a 55 kDa glycoprotein also known as Interleukin-2 receptor alpha chain, which is expressed by activated T cells. Cross reacts with sheep. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	FITC
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. 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
- Note:** Clone IL-A111 is reported to block the IL-2 driven proliferation of Con A-induced blast cells/bovine lymphocytes. Removal of sodium azide is recommended prior to use in functional assays.