**AM01310FC-N**  
Monoclonal Antibody to CD25 / IL2RA - FITC

**Alternate names:** IL-2 receptor alpha subunit, IL-2-RA, IL2-RA, Interleukin-2 receptor alpha chain, TAC antigen, p55

**Quantity:** 0.1 mg  
**Concentration:** 0.1 mg/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.

**Uniprot ID:** P12342  
**NCBI:** NP_776783.1  
**GeneID:** 281861  
**Host / Isotype:** Mouse / IgG1  
**Clone:** IL-A111  
**Format:**  
**State:** Liquid purified IgG  
**Purification:** Affinity chromatography on Protein G  
**Buffer System:** PBS, pH 7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin  
**Label:** FITC – Fluorescein Isothiocyanate Isomer 1  

**Applications:** Flow cytometry (Neat - 1/5): use 10 µl of the suggested working dilution to label 1x10^6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**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.

**Add. Information:** 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.

**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. Shelf life: one year from despatch.
General Readings:


