
Product Name: IL-2 Mouse Monoclonal Antibody**Catalog #: AMM80713**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	17.6kDa

Antigen Information

Gene Name	IL-2
Alternative Names	Aldesleukin; TCGF; interleukin-2
Gene ID	3558.0
SwissProt ID	P60568
Immunogen	Purified recombinant fragment of IL2 expressed in E. Coli.

Background

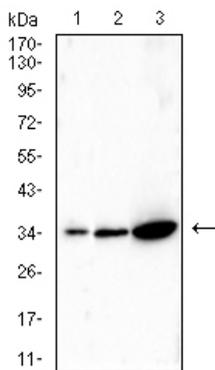
IL-2: interleukin-2. Entrez Protein NP_000577. It is a 17.6kDa secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual

regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli.

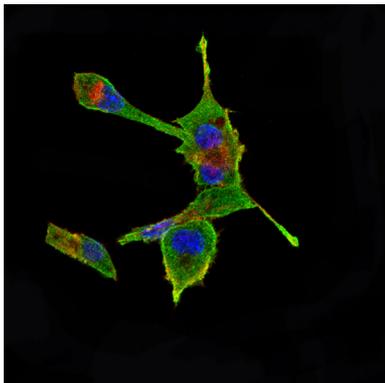
Research Area

TGF-beta signaling pathway, PI3K-Akt signaling pathway

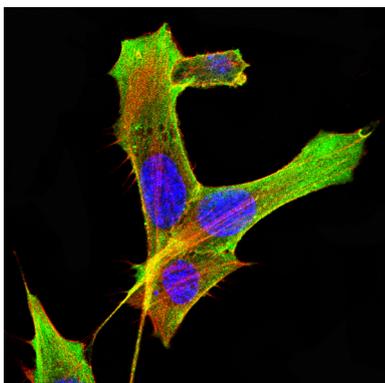
Image Data



Western blot analysis using IL-2 mouse mAb against C2C12(1), HeLa(2), Jurkat(3) cell lysate.



Immunofluorescence analysis of RSC-96 cells using IL-2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Immunofluorescence analysis of NIH3T3 cells using IL-2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.