



IL-2 Monoclonal Antibody

Catalog No	YP-Ab-15843
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	IL2
Immunogen	Purified recombinant fragment of IL-2 expressed in E. Coli.
Specificity	IL-2 Monoclonal Antibody detects endogenous levels of IL-2 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IL2;IL 2;interleukin 2;Interleukin-2;T-cell growth factor;IL-2;TCGF;Aldesleukin
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Secreted.
Tissue Specificity	Blood,PCR rescued clones,Placenta,Spleen,
Function	disease:A chromosomal aberration involving IL2 is found in a form of T-cell acute lymphoblastic leukemia (T-ALL). Translocation t(4;16)(q26;p13) with involves TNFRSF17.,function:Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells., online information:Interleukin-2 entry,online information:The Singapore human mutation and polymorphism database,pharmaceutical:Available under the name Proleukin (Chiron). Used in patients with renal cell carcinoma or metastatic melanoma.,similarity:Belongs to the IL-2 family.,



Background

The protein encoded by this gene is a 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. [provided by RefSeq, Jul 2008],

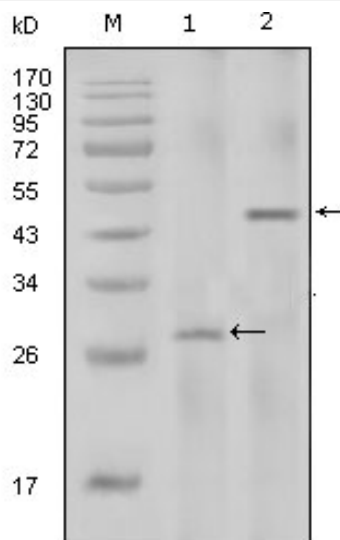
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using IL-2 Monoclonal Antibody against full-length IL-2 recombinant protein with Trx tag (1) and full-length IL-2-hlgGfc transfected HEK293 cell lysate(2).