

## IL-2 Monoclonal Antibody

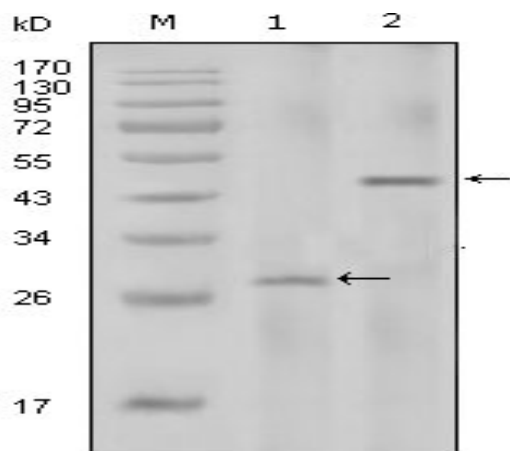
<b>Catalog No :</b>	YM0370
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	IL-2
<b>Fields :</b>	>>Cytokine-cytokine receptor interaction;>>Viral protein interaction with cytokine and cytokine receptor;>>PI3K-Akt signaling pathway;>>C-type lectin receptor signaling pathway;>>JAK-STAT signaling pathway;>>Th1 and Th2 cell differentiation;>>Th17 cell differentiation;>>T cell receptor signaling pathway;>>Intestinal immune network for IgA production;>>Type I diabetes mellitus;>>Yersinia infection;>>Chagas disease;>>Measles;>>Human T-cell leukemia virus 1 infection;>>Coronavirus disease - COVID-19;>>Pathways in cancer;>>Autoimmune thyroid disease;>>Inflammatory bowel disease;>>Allograft rejection;>>Graft-versus-host disease
<b>Gene Name :</b>	IL2
<b>Protein Name :</b>	Interleukin-2
<b>Human Gene Id :</b>	3558
<b>Human Swiss Prot No :</b>	P60568
<b>Mouse Swiss Prot No :</b>	P04351
<b>Immunogen :</b>	Purified recombinant fragment of IL-2 expressed in E. Coli.
<b>Specificity :</b>	IL-2 Monoclonal Antibody detects endogenous levels of IL-2 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.  Affinity purification

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<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	18kD
<b>Cell Pathway :</b>	Cytokine-cytokine receptor interaction;Jak_STAT;T_Cell_Receptor;Intestinal immune network for IgA production;Type I diabetes mellitus;Autoimmune thyroid disease;Allograft rejection;Graft-versus-host d
<b>P References :</b>	1. Leukemia. 2008 Dec;22(12):2201-7. 2. J Immunol. 2008 Feb 1;180(3):1490-8.
<b>Background :</b>	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],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	Secreted.
<b>Expression :</b>	Blood,PCR rescued clones,Placenta,Spleen,
<b>Tag :</b>	hot
<b>Sort :</b>	56
<b>No4 :</b>	1
<b>Host :</b>	Mouse
<b>Modifications :</b>	Unmodified

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## 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).