



# IL-2 Monoclonal Antibody

<b>Catalog No</b>	YP-Ab-15843
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	IL2
<b>Protein Name</b>	Interleukin-2
<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>	Ascitic fluid containing 0.03% sodium azide, 0.5% BSA, 50% glycerol.
<b>Source</b>	Monoclonal, Mouse
<b>Purification</b>	Affinity purification
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	IL2; Interleukin-2; IL-2; T-cell growth factor; TCGF; Aldesleukin
<b>Observed Band</b>	
<b>Cell Pathway</b>	Secreted.
<b>Tissue Specificity</b>	Blood, PCR rescued clones, Placenta, Spleen,
<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>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],

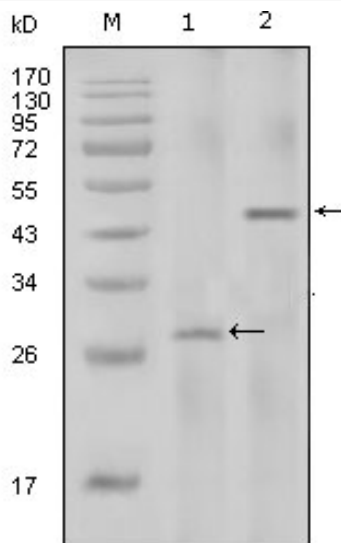
**matters needing attention**

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-hIgGFc transfected HEK293 cell lysate(2).