

IL-2 Monoclonal Antibody

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| Catalog No : | YM0370 |
| Reactivity : | Human |
| Applications : | WB;ELISA |
| Target : | IL-2 |
| Fields : | >>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 |
| Gene Name : | IL2 |
| Protein Name : | Interleukin-2 |
| Human Gene Id : | 3558 |
| Human Swiss Prot No : | P60568 |
| Mouse Swiss Prot No : | P04351 |
| Immunogen : | Purified recombinant fragment of IL-2 expressed in E. Coli. |
| Specificity : | IL-2 Monoclonal Antibody detects endogenous levels of IL-2 protein. |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Monoclonal, Mouse |
| Dilution : | WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications. Affinity purification |

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Molecular weight : 18kD

Cell Pathway : 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

P References :

1. Leukemia. 2008 Dec;22(12):2201-7.
2. J Immunol. 2008 Feb 1;180(3):1490-8.

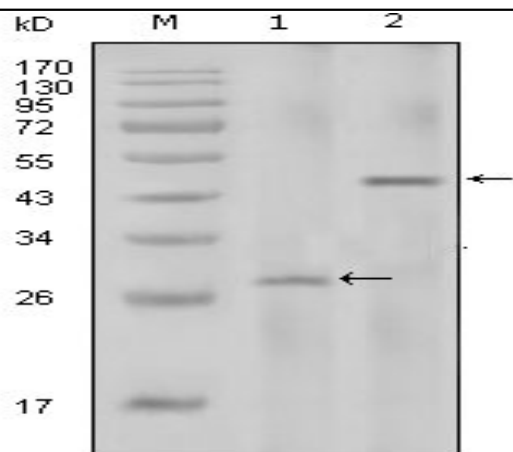
Background : The protein encoded by this gene is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this 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],

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.,

Subcellular Location : Secreted.

Expression : Blood, PCR rescued clones, Placenta, Spleen,

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).