



IL-2 Rabbit mAb

Catalog No	YP-rAb-16970
Isotype	IgG
Reactivity	Human
Applications	WB,IF,IP,ELISA
Gene Name	IL2
Protein Name	Interleukin-2
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:500-1:2000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200;
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	IL-2;Interleukin-2;IL2 ; Interleukin-2 ; IL-2 ; T-cell growth factor ; TCGF ; Aldesleukin;IL2
Observed Band	14kD
Calculated Molecular Weight	18kD
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



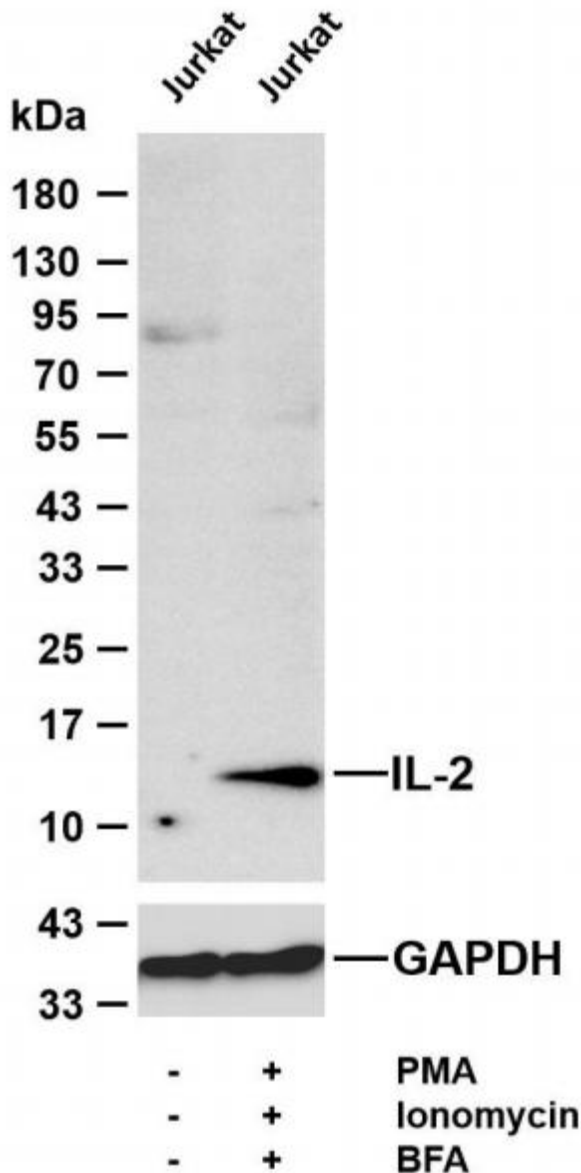
(IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests 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.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-IL-2 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Jurkat Lane 2: Jurkat was treated overnight with PMA(40nM), Ionomycin(2 μ M), and BFA(300ng/ml) (delayed for 45 minutes) Predicted band size: 18kDa Observed band size: 14kDa

