

## IL-2 (PN0173) Nb-FC recombinant antibody

<b>Catalog No :</b>	YA0618
<b>Reactivity :</b>	Human
<b>Applications :</b>	ELISA
<b>Target :</b>	IL-2
<b>Gene Name :</b>	IL2
<b>Protein Name :</b>	Interleukin-2 (IL-2) (T-cell growth factor) (TCGF) (Aldesleukin)
<b>Human Gene Id :</b>	3558
<b>Human Swiss Prot No :</b>	P60568
<b>Immunogen :</b>	Purified recombinant Human IL-2
<b>Specificity :</b>	This recombinant monoclonal antibody can detects endogenous levels of IL-2 protein.
<b>Formulation :</b>	Phosphate-buffered solution
<b>Source :</b>	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
<b>Dilution :</b>	ELISA 1:5000-100000
<b>Purification :</b>	Recombinant Expression and Affinity purified
<b>Concentration :</b>	Please check the information on the tube
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
<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

**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.,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

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