

IL-2 (PN0169) Nb-FC recombinant antibody

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| Catalog No : | YA0614 |
| Reactivity : | Human |
| Applications : | ELISA |
| Target : | IL-2 |
| Gene Name : | IL2 |
| Protein Name : | Interleukin-2 (IL-2) (T-cell growth factor) (TCGF) (Aldesleukin) |
| Human Gene Id : | 3558 |
| Human Swiss Prot No : | P60568 |
| Immunogen : | Purified recombinant Human IL-2 |
| Specificity : | This recombinant monoclonal antibody can detects endogenous levels of IL-2 protein. |
| Formulation : | Phosphate-buffered solution |
| Source : | Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell |
| Dilution : | ELISA 1:5000-100000 |
| Purification : | Recombinant Expression and Affinity purified |
| Concentration : | Please check the information on the tube |
| Storage Stability : | -15°C to -25°C/1 year(Avoid freeze / thaw cycles) |
| 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 |

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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