

Datasheet for ABIN2018088
IL-2 Protein (AA 21-153)

2 Images

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Overview

Quantity:	50 µg
Target:	IL-2 (IL2)
Protein Characteristics:	AA 21-153
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 < 2 ng/mL, measured in a cell proliferation assay using CTLL-2 cells.
Purity:	> 95 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	IL-2 (IL2)
Alternative Name:	Interleukin-2 (IL-2) (IL2 Products)
Background:	Interleukin-2 (IL-2) is a Oglycosylated, four alpha-helix bundle cytokine that has potent stimulatory activity for antigen-activated T cells. It is expressed by CD4+ and CD8+ T cells, gamma delta T cells, B cells, dendritic cells, and eosinophils. IL-2/IL-2R signaling is required for T-cell proliferation and other fundamental functions which are essential for the immune response. IL-2 stimulates growth and differentiation of B-cells, NK cells, lymphokine activated

Target Details

killer cells, monocytes, macrophages and oligodendrocytes.

Synonyms: T-cell growth factor (TCGF), Aldesleukin

Molecular Weight: 15-16 kDa, observed by reducing SDS-PAGE.

UniProt: [P60568](#)

Pathways: [JAK-STAT Signaling](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Activated T Cell Proliferation](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH2O or PBS at 100 µg/mL.

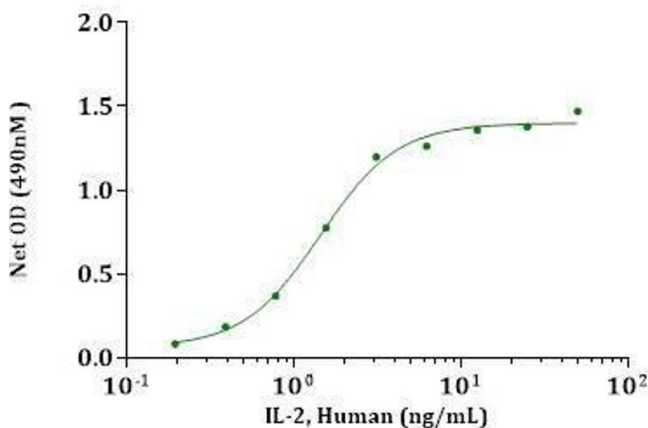
Buffer: Lyophilized after extensive dialysis against PBS..

Storage: -80 °C

Storage Comment: Lyophilized recombinant Human Interleukin-2 (IL-2) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Human Interleukin-2 (IL-2) should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

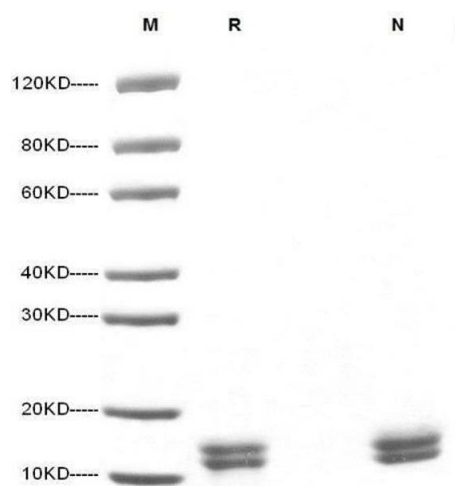
Expiry Date: 6 months

Images



Activity Assay

Image 1. IL-2, Human stimulates cell proliferation of CTLL-2 cells. The ED50 for this effect is less than 2ng/mL (1.2ng/mL).



SDS-PAGE

Image 2. 5µg of IL-2,Human was resolved with SDS-PAGE under reducing (R) and non-reducing (N) conditions and visualized by Coomassie Blue staining.