
Human IL-2 Recombinant Protein Carrier-Free

Catalog Number: 34-8029

Also Known As: Interleukin-2, IL2

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Human IL-2 Recombinant Protein Carrier-Free

REF **Catalog Number:** 34-8029

Concentration: 0.5 mg/mL

Handling Conditions: For best recovery, quick-spin vial prior to opening. Use in sterile environment.

Source: E. coli

Purity: > 98%, as determined by SDS-PAGE

Endotoxin Level: Less than 0.01 ng/ug cytokine as determined by the LAL assay.

Bioactivity: The ED50 of this protein, as measured by CTLL-2 proliferation assay, is less than or equal to 175 pg/mL. This corresponds to a specific activity of greater than or equal to 5.7 x 10e6 Units/mg.

Formulation: Sterile liquid: 40 mM acetate, 0.2M NaCl, pH 5. 0.22 um filtered.



Temperature Limitation: Store at less than or equal to -70°C.



Batch Code: Refer to Vial



Use By: Refer to Vial

Description

Human IL-2 (also known as TCGF) is a ~15 kDa factor produced mainly by activated CD4⁺ T cells. IL-2 induces cell cycle progression of resting cells in an antigen non-specific manner and allows clonal expansion of activated T cells. IL-2 also acts on activated B cells, monocytes, NK, LAK cells, and on oligodendroglial cells *in vitro*. In addition, IL-2 plays a role in hematopoiesis, tumor surveillance and anti-inflammatory reactions and hence is a central regulator of the immune response. Non-glycosylated IL-2 is biologically active.

Applications Reported

Recombinant human IL-2 is biologically active and can promote proliferation of T lymphocytes in culture. It is also used as standard in human IL-2 ELISA.

Applications Tested

The ED50 of this protein, as measured by CTLL-2 proliferation assay, is less than or equal to 175 pg/mL. This corresponds to a specific activity of greater than or equal to 5.7 x 10e6 Units/mg.

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