

IL 2 Human, HEK

Description: Interleukin-2 Human Recombinant produced in HEK cells is a glycosylated monomer, having a total molecular weight of 15kDa. The IL2 is purified by proprietary chromatographic techniques.

Catalog #: CYPs-102

For research use only.

Synonyms: T-cell growth factor (TCGF), Aldesleukin, Lymphokine, IL-2.

Source: HEK.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Purity: Greater than 95% as observed by SDS-PAGE.

Formulation:

The IL2 was lyophilized from 1mg/ml in 1xPBS.

Stability:

Lyophilized IL-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the lyophilized IL-2 in sterile PBS containing 0.1% endotoxin-free recombinant HSA.

Introduction:

IL2 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.

Biological Activity:

The specific activity was determined by the dose-dependent stimulation of the proliferation of mouse CTLL-2 cells (mouse cytotoxic T cell line) and is typically 0.2-2ng/ml.

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