

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant IL-2, Human

Catalog Number: BK0240-10 μ g

Source: CHO

Quantity: 10 μ g

Description:

Interleukin-2 (IL-2) is a Oglycosylated, four α -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 killer cells, monocytes, macrophages and oligodendrocytes.

Molecular Weight:

15~16 kDa, observed by reducing SDS-PAGE.

Purity:

> 95% as analyzed by SDS-PAGE.

Biological Activity:

ED50 < 2ng/ml, measured in a cell proliferation assay using CTLL-2 cells.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS..

AA Sequence:

APTSSSTKKTQLQLEHLLLDLQMLNGIN-
NYKNPKLTRMLTFKPYMP-
KKATELKHLQCLEEELKPLEEVLNLAQSKNFHLR
PRDLISNINVIVLELKGSETTFMCEYADETA-
TIVEFLNRWITFCQSIISTLT

Endotoxin:

< 0.2 EU/ μ g, determined by LAL method.

Reconstitution:

Reconstituted in ddH₂O or PBS at 100 μ g/ml.

Storage:

Lyophilized recombinant Human Interleukin-2 (IL-2) remains stable up to 6 months at -80 $^{\circ}$ C from date of receipt. Upon reconstitution, Human Interleukin-2 (IL-2) should be stable up to 1 week at 4 $^{\circ}$ C or up to 2 months at -20 $^{\circ}$ C.

Usage:

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