



PBL InterferonSource

HUMAN INTERLEUKIN-2

Product Number: **11810-1**

Size: **10 µg**

Product Information

Description: Recombinant Human Interleukin-2 (Human IL-2)

Contents: 10 µg / vial, lyophilized

Reconstitution: Sterile PBS containing at least 0.1% human serum albumin or bovine serum albumin

Buffer: 50mM sodium acetate (pH 4.0) containing 50 g of bovine serum albumin per 1ug of IL-2, prior to lyophilization

Molecular Weight: 15,549

Purity: ≥ 97%

Source: A DNA sequence encoding the mature human IL-2 protein sequence (Taniguchi *et al.*, 1983, Nature 302: 305-310; Maeda *et al.*, 1983, Biochem. Biophys. Res. Commun. **115**: 1040-1047) was expressed in *E. coli*.

Activity: ED₅₀ typically 0.25 – 0.5 ng/mL

Assay Used to Measure Bioactivity: Measured in a cell proliferation assay using an IL-2 dependent murine cytotoxic T cell line, CTLL-2 (Gearing, A.J.H and C.B. Bird in *Lymphokines and Interferons, a Practical Approach*. 1987, M.J. Clemens, A.G. Morris and A.J.H Gearing, eds., IRL Press, p.296).

Shipping Information

Shipping Conditions: Dry Ice

Physical State of Product During Shipping: Lyophilized powder

Special Conditions/Comments: After receipt, this product should be kept at -20°C for retention of full activity. After reconstitution, the contents of the tube should be apportioned in separate tubes so that freezing and thawing is kept to a minimum. Dilute only in PBS containing at least 0.1% HSA or BSA to prepare a stock solution of no less than 10ug/ml of the IL-2.

**This Product is for RESEARCH USE ONLY and is not for sale or use in any *commercial* kit.
NOT FOR DIAGNOSTIC OR THERAPEUTIC USE, OR USE IN HUMANS.**

v.1.2

your total interferon source

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