

Product Information

Contents: Carrier-Free Recombinant Human IL-15 (Interleukin-15)

Catalog Number: 34-8159

Sizes: 100 ug, 500 ug

Formulation: Sterile liquid; phosphate buffered saline, pH 7.2, 150 mM NaCl, with no carriers or stabilizers. 0.22 µm filtered.

Storage Conditions: For greatest stability, keep concentration of primary stock at or above 10 µg/ml. For long term storage, aliquot into polypropylene vials (volumes of 20 µl or greater) and store at or below -80°C. Avoid repeated freeze/thaw cycles.

Handling Conditions: For best recovery, always quick-spin vial prior to opening. For dilution of current stock, always include carrier protein (1% BSA or 10% FBS) in the buffered saline diluent.

Source: E. coli expressed amino acids asn 23-ser 136 of mature human IL-15 (accession # U14407).

Molecular Mass: The protein does not contain an N-terminal methionine. The polypeptide has a predicted molecular mass of 12,774. The DTT reduced protein migrates as an 11 kDa polypeptide. The nonreduced protein migrates as an 11 kDa protein on non-reducing SDS-PAGE.

Purity: Greater than 98%, as determined by SDS-PAGE

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

Bioactivity: Measured by mouse CTLL2 cell proliferation assay. The ED₅₀ is 0.10 ng/ml, corresponding to a specific activity of 1.0 x 10⁷ Units/mg.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
14-8159	Human IL-15 Recombinant Protein	N/A	N/A	BA
34-8159	Human IL-15 Recombinant Protein Carrier-Free	N/A	N/A	BA

Flow Cytometry Product Notes:

Test Sizes: To accommodate multicolor flow cytometry, eBioscience is in the process of reducing test size volumes from 20 µl to 5 µl. Please check your antibody vial for the recommended test size.

Fluorochrome Replacements: eBioscience is in the process of replacing all Pacific Blue® and APC-Alexa Fluor® 750 conjugated products with eFluor™ 450 and APC-eFluor™ 780 conjugated products, respectively.

Custom Product Requests

Need a custom product? Download the Custom Product Request Form and submit completed form to customs@ebioscience.com.

Questions? Please consult our answers to frequently asked questions at <http://www.ebioscience.com/faq>.

Description

Human IL-15 is a ~15 kDa factor with its mRNA found in a wide variety of cells including peripheral blood mononuclear cells (PBMC), placenta, skeletal muscle, kidney, lung, liver and heart. It is produced most abundantly by epithelial cells and monocytes. IL-15 shares many biological properties with IL-2 including stimulation of CTLL proliferation, and *in vitro* generation of alloantigen-specific cytotoxic T cells and non-antigen specific lymphokine activated killer (LAK) cells.

Applications Reported

For research use only, not for diagnostic or therapeutic use. Recombinant human IL-15 is biologically active.

Applications Tested

This recombinant human IL-15 has been tested in bioassays with an ED₅₀ of 0.10 ng/ml, corresponding to a specific activity of approximately 1x10⁷ Units/mg.

Related Products

Cat. 34-8029 Carrier-Free Recombinant Human IL-2 (Interleukin-2, IL2)
Cat. 34-8079 Carrier-Free Recombinant Human IL-7 (Interleukin-7, IL7)

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