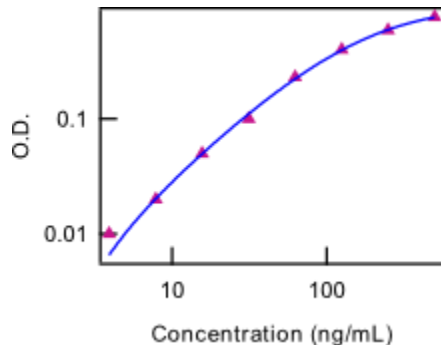


Mouse IL-15 Recombinant Protein

Catalog Number: 14-8153

Also known as: Interleukin-15, IL15

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



Proliferation of CTLL-2 cells in response to Mouse IL-15 Recombinant Protein.

Product Information



Contents: Mouse IL-15 Recombinant Protein

Catalog Number: 14-8153

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

Source: E. coli derived, Asn139-Ser152, accession number NM-008357, His-tagged on the N-terminus

Molecular Mass: 15 kDa

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

Endotoxin: Less than 0.1 ng/ug cytokine as determined by the LAL assay.

Bioactivity: The bioactivity of recombinant mouse IL-15 was determined by CTLL-2 cell proliferation assay. The ED₅₀ in this assay is 100 ng/mL, which corresponds to a specific activity of 10e4 Units/mg.



Formulation: Sterile liquid; 0.1 M Glycine with 1% BSA, pH 3.0

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



Batch Code: Refer to vial



Use By: Refer to vial

Description

Mouse IL-15 is a 14-15 kDa factor, previously known as IL-T. IL-15 is produced by a variety of cells and has a role in the T cell-mediated immune response and the central nervous system. IL-15 binds to the β and γ subunits of the IL-2 receptor also known as CD25. IL-15 is a specific maturation factor for NK cells and mimics the BM microenvironment for NK cell development *in vitro*. It is reported that IL-15 delivers an anti-apoptotic and survival signal for NK, T, and B cells.

Applications Reported

Recombinant mouse IL-15 is biologically active.

Applications Tested

This recombinant mouse IL-15 has been tested in CTLL-2 cell proliferation assay with an observed ED₅₀ of 100.0 ng/ml, corresponding to a specific activity of approximately 10⁴ Units/mg.

References

Gill, N. and Ashkar, A. Overexpression of interleukin-15 compromises CD4-dependent adaptive immune responses against Herpes Simplex Virus 2. J Virol. 2009 Jan; 83(2) 918-926

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Liew, F. and McInnes, I. Role of interleukin-15 and interleukin-18 in the inflammatory response. *Ann Rheum Dis.* 2002; 61(2) 100-102

Giri JG, Kumaki S, Ahdieh M, Friend DJ, Loomis A, Shanebeck K, DuBose R, Cosman D, Park LS, Anderson DM. Identification and cloning of a novel IL-15 binding protein that is structurally related to the alpha-chain of the IL-2 receptor. *Embo J.* 1995 Aug; 14(15) 3654-3663

Related Products

14-8152 Mouse IL-15/IL-15R Complex Recombinant Protein

16-7154 Anti-Mouse IL-15 Functional Grade Purified (AIO.3)

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