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IL-15 Protein

Images



Overview

| Quantity: | 2 μg |
|---------------------|--|
| Target: | IL-15 (IL15) |
| Origin: | Mouse |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Product Details | |
| Characteristics: | IL-T |
| Purification: | Interleukin-15 purity was determined to be greater than 95% as determined by analysis by UV-Spectroscopy at 280nm and by reducing and non-reducing SDS-pAGE. |
| Endotoxin Level: | Low endotoxin |
| Target Details | |
| Target: | IL-15 (IL15) |
| Alternative Name: | IL-15 (IL15 Products) |
| UniProt: | P48346 |
| Pathways: | JAK-STAT Signaling, Glycosaminoglycan Metabolic Process |
| Application Details | |
| Application Notes: | Application Note: Interleukin-15 Recombinant Protein is suitable as a control for polyclonal or monoclonal anti-Interleukin-15 in immunological assays. |

Application Details

Other Performance Data: Endotoxin Level: Measured by kinetic LAL analysis and is typically ≤ 1 EU/µg protein. Biologic Activity: The activity is determined by dose-dependent induction of CTLL-2 cell proliferation and is typically less than 5 ng/mL.

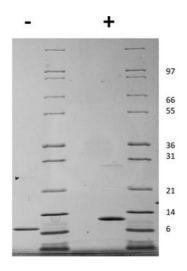
Restrictions:

For Research Use only

Handling

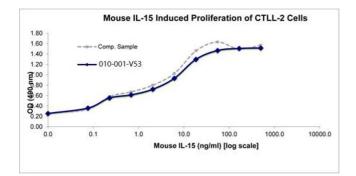
| Format: | Lyophilized |
|-----------------|---|
| Reconstitution: | Reconstitution Volume: 2 μL (2-20 μL) Reconstitution Buffer: Restore with deionized water (or equivalent) |
| Buffer: | Stabilizer: None |
| Preservative: | Without preservative |
| Storage: | RT,4 °C,-20 °C |
| Expiry Date: | 6 months |

Images



SDS-PAGE

Image 1. SDS-PAGE of Mouse Interleukin-15 Recombinant Protein SDS-PAGE of Mouse Interleukin-15 Recombinant Protein. Lane 1: 1 μ g Mouse IL-15 in non-reducing conditions . Lane 2: Molecular weight marker. Lane 3: 1 μ g Mouse IL-15 in reducing conditions (+). Lane 4: Molecular weight marker. Mouse IL-15 has a predicted MW of 13.3 kDa.



SDS-PAGE

Image 2. SDS-PAGE of Mouse Interleukin-15 Recombinant Protein Bioactivity of Mouse Interleukin-15 Recombinant Protein. Serial dilutions of Mouse IL-15 (starting at 500 ng/mL) were added to CTLL-2 with other needed cytokines and stimuli. After 65 hours, cell viability was measured and the linear portion of the curve was us used to calculate the ED50. The ED50 of Mouse IL-15 is between 3.3-5.0 ng/mL. This value is comparable to the typical expected range of 5-30 ng/mL.