

Datasheet for ABIN7539337 IL-3 Protein



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Overview

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| Quantity: | 2 µg |
| Target: | IL-3 |
| Origin: | Mouse |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Biological Activity: | Active |

Product Details

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| Purpose: | IL-3 |
| Sequence: | ASISGRDTHR LTRTLNCSSI VKEIIGKLPE PELKTDDEGP SLRNKSFRRV NLSKFVESQG EVDPEDRYVI KSNLQKLNCC LPTSANDSAL PGVFIRDLDD FRKKLRFYMV HLNDLETVLT SRPPQPASGS VSPNRGTVEC |
| Specificity: | Chromosomal location:11 B1, 11 28.5 cM |
| Cross-Reactivity: | Bacteria, Gerbil, Human, Monkey, Mouse, Rat |
| Characteristics: | Length (aa):140 |
| Purity: | > 98 % by SDS-PAGE and Coomassie stain |
| Endotoxin Level: | < 0.1 ng/µg of protein (<1EU/µg) |

Target Details

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| Target: | IL-3 |
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Target Details

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|-------------------|---|
| Alternative Name: | IL-3 (IL-3 Products) |
| Background: | IL3, BPA, PSF, HCGF, IL-3, MCGF, Csfmu,IL-3 is a hematopoietic growth factor that promotes the survival, differentiation and proliferation of committed progenitor cells of the megakaryocyte, granulocyte-macrophage, erythroid, eosinophil, basophil and mast cell lineages. Produced by T cells, mast cells and eosinophils, IL-3 enhances thrombopoieses, phagocytosis, and antibody-mediated cellular cytotoxicity. Its ability to activate monocytes suggests that IL-3 may have additional immunoregulatory roles. Many of the IL-3 activities depend upon co-stimulation with other cytokines. IL-3 is species-specific, variably glycosylated cytokine. Recombinant murine IL-3 is a 15.1 kDa globular protein containing 135 amino acid residues. |
| Molecular Weight: | 15.8 kDa |
| Gene ID: | 16187 |
| NCBI Accession: | NM_010556 , NP_034686 |
| UniProt: | P01586 |
| Pathways: | JAK-STAT Signaling , Regulation of Carbohydrate Metabolic Process , Autophagy |

Application Details

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| Application Notes: | The ED50 as determined by the dose-dependent stimulation of the proliferation of murine NFS-60 cells is in the range of 20-100 pg/mL. |
| Restrictions: | For Research Use only |

Handling

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|-----------------|-------------|
| Format: | Lyophilized |
| Reconstitution: | water |
| Buffer: | PBS |