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Datasheet for ABIN1004816

IL-3 beta Protein

Overview

Quantity:	20 µg
Target:	IL-3 beta
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Characteristics:	Recombinant Rat Interleukin 3-beta. The ED ₅₀ was determined by the dose-dependent stimulation of the proliferation of thymidine uptake by murine MC-9 cells is < 10 ng/mL, corresponding to a specific activity of > 1.0 x 10 ⁶ units/mg.
Purity:	> 98 % (determined by SDS-PAGE and HPLC analysis).
Sterility:	Sterile filtered
Endotoxin Level:	< 0.1 ng per µg of rRa IL-3 beta (1EU/µg).

Target Details

Target:	IL-3 beta
Alternative Name:	IL3 beta (IL-3 beta Products)
Background:	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

Target Details

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 rat IL-3beta is a 16.3 kDa globular protein containing 144 amino acid residues.

Molecular Weight: 16.3 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please Note: Always centrifuge product briefly before opening vial. The lyophilized protein should be reconstituted in sterile, ultra-pure water to a concentration of 0.1-1.0 mg/mL. This solution can then be diluted into other aqueous buffers and stored at -20°C for future use.

Buffer: Lyophilized from a sterile-filtered solution with no additives.

Preservative: Without preservative

Storage: -20 °C

Storage Comment: The lyophilized protein, though stable at room temperature for up to 3 weeks, is best stored desiccated at -20°C. Reconstituted rRa IL-3 beta should be used immediately or stored long-term in undiluted working aliquots at -20°C. Avoid repeated freeze-thaw cycles.