Il6
Recombinant Mouse Interleukin-16

Catalog No.	CRM048A	**Quantity:**	2 µg
	CRM048B		10 µg
	CRM048C		1 mg

Alternate Names: Interleukin-16, LCF, Lymphocyte Chemoattractant Factor (LCF)

Description: Interleukin 16 (IL-16) is produced primarily by CD4+ and CD8+ T-cells and acts as a chemo-attractant for lymphocytes, monocytes, eosinophils, dendritic cells and Langerhans cells. Additionally, IL-16 has been reported to upregulate IL-2 receptor (CD25), induce progression of cells to the GI phase and suppress HIV & SIV replication. Recombinant mouse IL-16 is a non-glycosylated protein, comprised of 127 amino acids.

Gene ID: 16170

Protein Accession No: O54824

Source: *E. coli*

Molecular Weight: 13.2 kDa

Formulation: Lyophilized from a sterile filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5

Purity: > 95 % by SDS-PAGE and HPLC analyses.

Endotoxin Level: ≤ 1 EU/µg of protein by kinetic LAL analysis (50% confidence range).

Biological Activity: Fully biologically active when compared to standard. The activity is determined by the ability to chemoattract primary human T cells and is typically < 200 ng/ml.

Specific Activity: > 5 x 10^3 units/mg

Amino Acid Sequence: MHDLNSSTDS AASASAASDI SVESKEATVC TVTLEKTSAG LGFSLEGGKG SLHGDKPLTI NRIFKGDRTG EMVQPGDEIL QLAGTAVQGL TRFEAWNVIK ALPDGPVTIV IRRTSLQCKQ TTASADS

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.2 mg/ml. **DO NOT VORTEX.** Allow several minutes for complete reconstitution. Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: Lyophilized product is stable at room temperature for shipping purposes. Upon receipt, store desiccated at -20°C for up to 1 year.

Upon reconstitution, the preparation is stable for up to one month at 2-8°C. For long term storage, freeze in working aliquots and store at -20 to -80°C. For maximal stability, dilute to working aliquots in a 0.1% BSA solution. **Avoid repeated freeze-thaw cycles.**

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