

II6

Recombinant Mouse Interleukin-16

Catalog No.	CRM048A CRM048B CRM048C	Quantity:	2 µg 10 µg 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 G1 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:	<i>E. coli</i>		
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:	MHDLNSSTD S AASASAASDI SVESKEATVC TVTLEKTSAG LGFSLEGGKG SLHGDKPLTI NRIFKGDRTG EMVQPGDEIL QLAGTAVQGL TRFEAWNVIK ALPDGPVTIV IRR TSLQCKQ 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.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

