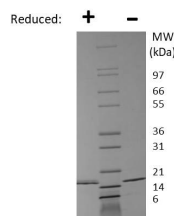


II16

## Recombinant Mouse Interleukin-16

<b>Catalog No.</b>	CRM048A CRM048B CRM048C	<b>Quantity:</b>	2 µg 10 µg 1 mg
<b>Alternate Names:</b>	IL-16, Lymphocyte Chemoattractant Factor, LCF		
<b>Description:</b>	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.		
<b>Gene ID:</b>	16170		
<b>UniProt ID:</b>	O54824		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	13.2 kDa (127 aa)		
<b>Formulation:</b>	Lyophilized from a sterile filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5		
<b>Purity:</b>	≥ 95 % by reducing and non-reducing SDS-PAGE		
<b>Endotoxin Level:</b>	≤ 1 EU/µg, by kinetic LAL		
<b>Biological Activity:</b>	This product demonstrates primary human T cell chemotaxis, detectable at 5 ng/ml.		
<b>Amino Acid Sequence:</b>	MHDLNSSTD S AASASAASDI SVESKEATVC TVTLEKTSAG LGFSLEGGKG SLHGDKPLTI NRIFKGDRTG EMVQPGDEIL QLAGTAVQGL TRFEAWNVIK ALPDGPVTIV IRRSLQCKQ TTASADS		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water to a concentration of 0.1 mg/ml. Suspend the product by gently pipetting the solution down the sides of the vial. <b>DO NOT VORTEX.</b> Allow several minutes for complete reconstitution.		
<b>Storage &amp; Stability:</b>	Store as supplied at -20°C to -80°C for up to 1 year.  Upon reconstitution, the preparation is stable for up to one month at 2-8°C, or prepare working aliquots and store at -20 to -80°C. For maximal stability, add a carrier protein such as 0.1% BSA. <b>Avoid repeated freeze-thaw cycles.</b>		





#### Mouse IL-16 Gel

Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse IL-16 is predicted to have a MW of 13.2 kDa.

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



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