

IL16

Recombinant Rhesus Macaque Interleukin-16

Catalog No.	CS486A CS486B CS486C	Quantity:	2 µg 10 µg 1 mg
Description:	Interleukin-16 (IL-16) is also called lymphocyte chemoattractant factor (LCF) and it is mostly secreted by lymphocytes, epithelial cells, eosinophils, and CD8+ T cells. It has many functions including induction of the IL-2Rα on T cells, suppression of human immunodeficiency virus (HIV) replication, inhibition of T-cell antigen receptor/CD3 mediated T-cell stimulation in mixed lymphocyte reactions and so on. It signals through CD4 receptor. Furthermore, recombinant rhesus macaque interleukin-16 contains 121 amino acid residues and it shares 85 % ~ 95 % aa sequence identity with human and mouse IL-16.		
Gene ID:	574100		
Source:	<i>E. coli</i>		
Molecular Weight:	Approximately 12.5 kDa, a single non-glycosylated polypeptide chain containing 121 amino acids.		
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.		
Purity:	> 98 % by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	<1 EU/µg as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human CD4+ T lymphocytes is in a concentration range of 1.0-100 ng/ml.		
Amino Acid Sequence:	SAASASAASD VSVESAEAT VYTVTLEKMS AGLGFSLEGG KGSLHGDKPL TINRIFKGAA SEQSETIQPG DEILQLAGTA MQGLTRFEAW NIIKALPDGP VTIVIRRKSL QPKETTAAD S		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2 -4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		

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