

Growth Factor Data Sheet

GoldBio growth factors are manufactured for **RESEARCH USE ONLY** and cannot be sold for human consumption!

Interleukin-16 (IL16), also called lymphocyte chemoattractant factor (LCF), is predominately secreted by lymphocytes, epithelial cells, eosinophils, and CD8+ T-cells. It has many functions, including the induction of IL-2R α on T-cells, the suppression of human immunodeficiency virus (HIV) replication, and the inhibition of T-cell antigen receptor/CD3 mediated T-cell stimulation in mixed lymphocyte reactions. IL16 signals through the CD4 receptor. Furthermore, recombinant rhesus macaque IL16 contains 121 amino acid residues and shares 95% and 85% amino acid sequence identity with human and murine IL16, respectively.

Catalog Number	1210-16
Product Name	IL16, Rhesus macaque Recombinant Rhesus macaque Interleukin-16 IL16 Interleukin 16 Lymphocyte Chemoattractant Factor (LCF)
Source	<i>Escherichia coli</i>
MW	~12.5 kDa (121 amino acids)
Sequence	SAASASAASD VSVESAEAT VYVTLEKMS AGLGFSLEGG KGSLHGDKPL TINRIFKGAA SEQSETIQPG DEILQLAGTA MQGLTRFEAW NIKALPDGP VTIVIRRKSL QPKETTAAD S
Accession Number	O62675
Purity	>98% by SDS-PAGE and HPLC analyses
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral T lymphocytes is in a concentration range of 1.0-100 ng/ml.
Formulation	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
Storage/Handling	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. The reconstituted sample can be apportioned into working aliquots and stored at -80 °C for up to 6 months. Avoid repeated freeze/thaw cycles.
Reconstitution	The sample should be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a siliconized tube using PBS that contains a 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Reconstituted solutions are stable for up to one week at 2-8°C. Stock solutions should be aliquoted and stored at -80°C. Further dilutions should be made in appropriate buffered solutions containing BSA or serum.