

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### IL-16 (G97) Peptide

Cat No.: BS3690P

#### Background

Originally known as lymphocyte chemoattractant factor (LCF), Interleukin-16 (IL-16) is a product of human peripheral mononuclear cells when antigen-stimulated or mitogen-stimulated. It is also produced by dendritic cells, epithelial cells, eosinophils, fibroblasts and mast cells. The pro-form of IL-16 is a 631 amino acid protein that is cleaved by caspase 3 in activated CD4+ T cells where it is then secreted and is accessible for binding CD4 receptors. IL-16 regulates and induces migratory response in CD4+ lymphocytes, eosinophils, and monocytes. It is a soluble ligand for CD4 and functions to prime responsiveness to IL-2 and IL-15 in CD4+ T-cells. Although Isoform 1's function is thought to be as an anchor to membrane ion channels, Isoform 3 is more widely researched and characterized as component of T-cell cycle progression.

#### Swiss-Prot

Q14005

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS3690 IL-16 (G97) pAb.

#### Purification & Purity

Synthetic peptide IL-16 (G97). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.