

IL-16 Polyclonal antibody

Catalog Number: 13352-1-AP

Basic Information

Catalog Number:

13352-1-AP

Size:

133 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4044

GenBank Accession Number:

BC040272

GeneID (NCBI):

3603

UNIPROT ID:

Q14005

Full Name:

interleukin 16 (lymphocyte
chemoattractant factor)

Calculated MW:

130 aa, 15 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Species Specificity:

human

Background Information

IL-16 is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. It is mainly produced by T lymphocytes but also by other immune cells, neuronal cells, fibroblasts and epithelial cells. The signaling process of this cytokine is mediated by CD4. IL-16 induces chemotaxis of CD4⁺ cells such as lymphocytes, eosinophils, and dendritic cells by ligating CD4 directly at a site distinct from other ligands. Among its multiple functions, IL-16 is a T cell chemoattractant involved in T helper cell inflammatory responses and the regulation of both T cell growth, and responsiveness to regulatory cytokines. The cytokine function is exclusively attributed to the secreted C-terminal peptide, while the N-terminal product may play a role in cell cycle control.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

