

For Research Use Only

# IL-16 Monoclonal antibody

Catalog Number: 66145-1-Ig



## Basic Information

Catalog Number:

66145-1-Ig

Size:

2600 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG16466

GenBank Accession Number:

BC040272

GeneID (NCBI):

3603

UNIPROT ID:

Q14005

Full Name:

interleukin 16 (lymphocyte chemoattractant factor)

Calculated MW:

130 aa, 15 kDa

Observed MW:

37 kDa

Purification Method:

Protein A purification

CloneNo.:

1C4C7

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: Recombinant protein,

## 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

For technical support and original validation data for this product please contact:

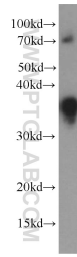
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Recombinant protein were subjected to SDS PAGE followed by western blot with 66145-1-Ig (IL-16 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.