

For Research Use Only

# IL-16 Monoclonal antibody

Catalog Number: 66145-1-Ig



## Basic Information

<b>Catalog Number:</b> 66145-1-Ig	<b>GenBank Accession Number:</b> BC040272	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2600 ug/ml by Nanodrop and 1520 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3603	<b>CloneNo.:</b> 1C4C7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q14005	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG2b	<b>Full Name:</b> interleukin 16 (lymphocyte chemoattractant factor)	
<b>Immunogen Catalog Number:</b> AG16466	<b>Calculated MW:</b> 130 aa, 15 kDa	
	<b>Observed MW:</b> 37 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Recombinant protein,
<b>Species Specificity:</b> 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

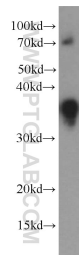
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.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.