For Research Use Only

Anti-Mouse IL-16 Rabbit Recombinant Antibody

Catalog Number:98535-1-RR

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Basic Information

Catalog Number:
98535-1-RR

Concentration:
100ug, 1000 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG3127

GenBank Accession Number:
NM_010551.3

GeneID (NCBI):
16170

UNIPROT ID:
O54824-1

Full Name:
interleukin 16

Calculated MW:
141 kDa

Purification Method:
Protein A purification

CloneNo.:
250058E6

Recommended Dilutions:
FC (Intra): 0.25 ug per 10^6 cells in a 100 μl suspension

Applications

Tested Applications:
FC (Intra)

Species Specificity:
mouse

Positive Controls:

FC (Intra) : Transfected HEK-293T cells,

Background Information

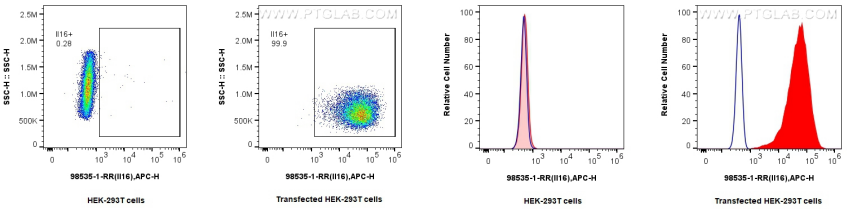
IL-16 is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. It is mainly produced by T lymphocytes but also by other immune cells, neuronal cells, fibroblasts and epithelial cells. The signaling process of this cytokine is 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 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10^6 HEK-293T cells or IL-16 transfected HEK-293T cells were intracellularly stained with 0.25 ug Anti-Mouse IL-16 Rabbit RecAb (98535-1-RR, Clone: 250058E6) and Multi-rAb CoraLite ® Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.

1x10^6 HEK-293T cells or IL-16 transfected HEK-293T cells were intracellularly stained with 0.25 ug Anti-Mouse IL-16 Rabbit RecAb (98535-1-RR, Clone: 250058E6) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and Multi-rAb CoraLite ® Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.