

For Research Use Only

Anti-Mouse IL-16 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98535-1-PBS



Basic Information

Catalog Number:	98535-1-PBS	GenBank Accession Number:	NM_010551.3	Purification Method:	Protein A purification
Concentration:	1mg, 3 mg/ml	GeneID (NCBI):	16170	CloneNo.:	250058E6
Source:	Rabbit	UNIPROT ID:	O54824-1		
Isotype:	IgG	Full Name:	interleukin 16		
Immunogen Catalog Number:	EG3127	Calculated MW:	141 kDa		

Applications

Tested Applications:
FC (Intra)

Species Specificity:
mouse

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

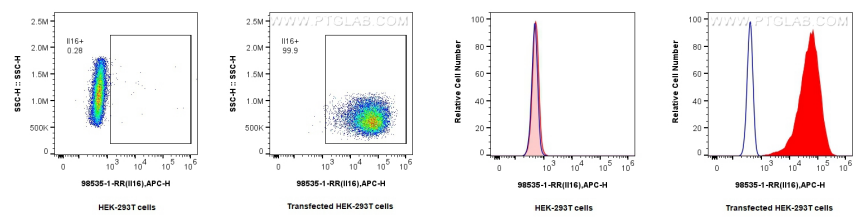
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ 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. This data was developed using the same antibody clone with 98535-1-PBS in a different storage buffer formulation.

1x10⁶ 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. This data was developed using the