

For Research Use Only

Anti-Mouse IL-31 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98655-2-PBS



Basic Information

Catalog Number:	98655-2-PBS	GenBank Accession Number:	NM_029594.1	Purification Method:	Protein A purification
Size:	1mg, 3 mg/ml	GeneID (NCBI):	76399	CloneNo.:	251606F2
Source:	Rabbit	UNIPROT ID:	Q6EAL8		
Isotype:	IgG	Full Name:	interleukin 31		
Immunogen Catalog Number:	EG6811	Calculated MW:	18 kDa		

Applications

Tested Applications:
FC (Intra)
Species Specificity:
mouse

Background Information

IL-31 mRNA encodes a 164-aa precursor and a predicted 141-aa mature polypeptide, displaying an apparent molecular mass of 24 kDa in its glycosylated form. IL31 is a newly discovered four-helix bundle cytokine and expressed by several types of cells under both normal and disease state, such as activated CD4+T cells, mast cells, monocytes, macrophages, immature and mature monocyte-derived dendritic cells and so on. IL-31 signals through a heterodimeric receptor complex consisting of the IL31 receptor alpha (IL31Ra) and the oncostatin M receptor (OSMR). IL-31 plays a predominant function in the mediation of inflammatory and lymphoma-associated itch. Increased IL-31 expression has been detected in inflamed tissues from patients with atopic dermatitis, bowel diseases, allergic asthma and rhinitis.

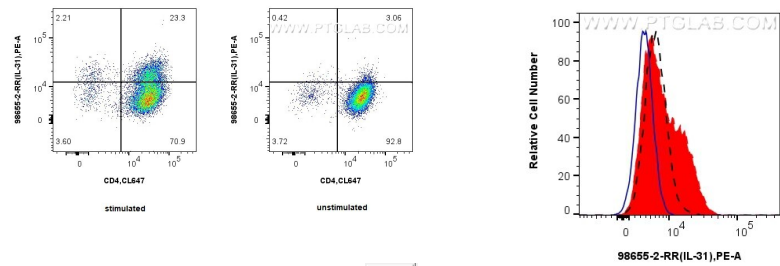
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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)
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Selected Validation Data



1x10⁶ untreated or PMA, Ionomycin and Brefeldin A treated C57BL/6 Th2-polarized splenocytes were intracellularly stained with 0.25 ug Anti-Mouse IL-31 Rabbit RecAb (98655-2-RR, Clone:251606F2) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization

1x10⁶ PMA, Ionomycin and Brefeldin A treated C57BL/6 Th2-polarized splenocytes were intracellularly stained with 0.25 ug Anti-Mouse IL-31 Rabbit RecAb (98655-2-RR, Clone:251606F2) (red) and PE-Conjugated Goat Anti-Rabbit IgG(H+L), and 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). 1x10⁶ untreated C57BL/6 Th2-polarized splenocytes were intracellularly stained with 0.25 ug Anti-Mouse IL-31 Rabbit RecAb