

For Research Use Only

Anti-Mouse IL-31 Rabbit Recombinant Antibody

Catalog Number: 98655-2-RR



Basic Information

Catalog Number: 98655-2-RR	GenBank Accession Number: NM_029594.1	Purification Method: Protein A purification
Concentration: 100ug, 1000 µg/ml	GeneID (NCBI): 76399	CloneNo.: 251606F2
Source: Rabbit	UNIPROT ID: Q6EAL8	Recommended Dilutions: FC (Intra): 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: interleukin 31	
Immunogen Catalog Number: EG6811	Calculated MW: 18 kDa	

Applications

Tested Applications: FC (Intra)	Positive Controls: FC (Intra): PMA, Ionomycin and Brefeldin A treated C57BL/6 Th2-polarized splenocytes,
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 (IL31R α) 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 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

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

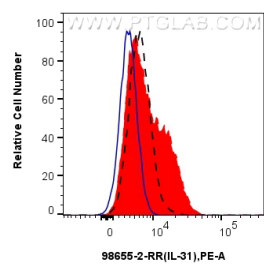
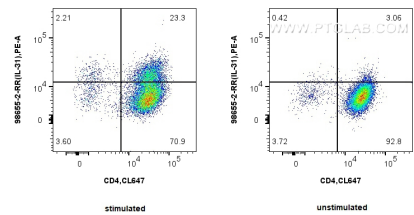
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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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 Buffer Kit (PF00019).

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 (98655-2-RR,