

For Research Use Only

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

Catalog Number: 98655-2-PBS



## Basic Information

|                                     |                                          |                                                |
|-------------------------------------|------------------------------------------|------------------------------------------------|
| Catalog Number:<br>98655-2-PBS      | GenBank Accession Number:<br>NM_029594.1 | Purification Method:<br>Protein A purification |
| Concentration:<br>1mg, 3 mg/ml      | GeneID (NCBI):<br>76399                  | CloneNo.:<br>251606F2                          |
| Source:<br>Rabbit                   | UNIPROT ID:<br>Q6EAL8                    |                                                |
| Isotype:<br>IgG                     | Full Name:<br>interleukin 31             |                                                |
| Immunogen Catalog Number:<br>EG6811 | Calculated MW:<br>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<sup>+</sup>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 $\alpha$ ) 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.

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:

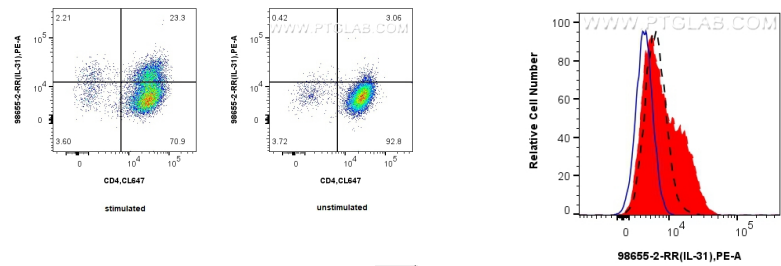
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

Selected Validation Data



1x10<sup>6</sup> 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). This

1x10<sup>6</sup> 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). 1x10<sup>6</sup> untreated C57BL/6 Th2-polarized splenocytes were intracellularly stained with 0.25 ug Anti-Mouse IL-31 Rabbit RecAb (98655-2-RR,