

For Research Use Only

# IL-31 Recombinant monoclonal antibody

Catalog Number: 87927-1-RR



## Basic Information

<b>Catalog Number:</b> 87927-1-RR	<b>GenBank Accession Number:</b> NM_029594.1	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 76399	<b>CloneNo.:</b> 251606E10
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q6EAL8	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000
<b>Immunogen Catalog Number:</b> EG6811	<b>Full Name:</b> interleukin 31	
	<b>Calculated MW:</b> 18 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Recombinant protein,
<b>Species Specificity:</b> 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 $\alpha$ ) 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 -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

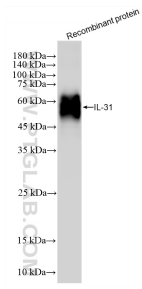
T: 4006900926

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

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

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## Selected Validation Data



Mouse IL-31 recombinant protein were subjected to SDS PAGE followed by western blot with 87927-1-RR (IL-31 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.