

For Research Use Only

# NeutraKine®IL-27 Mouse McAb

Catalog Number:69034-1-Ig



## Basic Information

<b>Catalog Number:</b> 69034-1-Ig	<b>GenBank Accession Number:</b> GeneID (NCBI): 246778	<b>Purification Method:</b> Protein G purification
<b>Concentration:</b>	<b>UNIPROT ID:</b> Q8NEV9	<b>CloneNo.:</b> 2H2A2
<b>Source:</b> Mouse	<b>Full Name:</b> interleukin 27	
<b>Isotype:</b> IgG1		
<b>Immunogen Catalog Number:</b> HZ-1275		

## Applications

<b>Tested Applications:</b> Neutralization, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>Neutralization :</b> OCI-AML5 cells, <b>ELISA :</b> Recombinant protein,

## Background Information

IL-27 is a heterodimeric cytokine composed of two subunits: IL-27a and IL-27b. IL-27 acts on various cell types, including T cells, B cells, macrophages, dendritic cells, natural killer (NK) cells and non-hematopoietic cells. IL-27 plays a critical role in the early regulation of T helper type 1 initiation, and enhances proliferation of naive CD4+T cells and naive B cells. It, however, also exerts anti-inflammatory functions by inhibiting the development of Th17 cells and inducing IL-10 producing type 1 regulatory T cells. IL-27 is a potentially promising cytokine for therapeutic approaches on various human diseases.

This antibody is used to neutralize the bioactivity of IL-27.

## Storage

**Storage:**  
Lyophilized antibodies are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at(4°C) for short term or at(-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

**Storage Buffer:**  
Sterile PBS, pH7.4

Aliquoting is unnecessary for -20°C storage

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

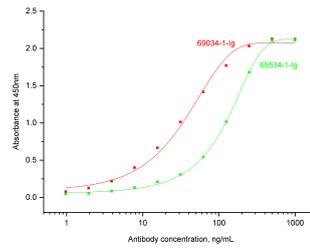
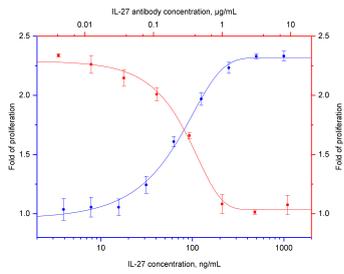
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Recombinant human IL-27 (Cat.NO. HZ-1275) stimulates proliferation of OCI-AML5 cells in a dose dependent manner (blue curve, refer to bottom X-left Y axis). The activity of human IL-27 (250ng/mL HZ-1275) is neutralized by mouse anti-human IL-27 monoclonal antibody 69034-1-Ig at serial dose (red curve, refer to top X-right Y axis). The ND50 is typically 0.4-1 µg/mL.

Indirect ELISA was carried out by coating recombinant Human IL-27 (Cat.NO. HZ-1275) at 70 ng/well followed by blocking and adding serial diluted IL-27 antibody 69034-1-Ig and 69534-1-Ig respectively. Signal was developed with TMB and stopped by H2SO4. Signal strength was measured by absorbance at 450 nm.