

# NeutraKine® IL-17F Monoclonal antibody

Catalog Number: **69023-1-Ig**

## Basic Information

Catalog Number:

**69023-1-Ig**

Size:

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

**HZ-1116**

GenBank Accession Number:

GeneID (NCBI):

**112744**

Full Name:

**interleukin 17F**

Purification Method:

**Protein G purification**

CloneNo.:

**1C7D10**

## Applications

Tested Applications:

**Neutralization, ELISA**

Species Specificity:

**Human**

## Background Information

The interleukin 17 (IL-17) family of cytokines contains 6 structurally related cytokines, IL-17A, IL-17B, IL-17C, IL-17D, IL-17E and IL-17F. IL-17 family plays crucial roles in host defense against microbial organisms and in the development of inflammatory diseases. IL-17A is a pro-inflammatory cytokine that also has the capacity to promote angiogenesis and osteoclastogenesis. IL-17F shares the highest homology with IL-17A and signals via a receptor composed by the IL-17RA and IL-17RC subunits. IL-17A and IL-17F can form IL-17A/A or IL-17F/F homodimers, IL-17A/F heterodimers are also formed. IL-17A and IL-17F, produced by the Th17 CD4(+) T cell lineage, have been linked to a variety of inflammatory and autoimmune conditions. IL-17F levels are elevated in sera and lesional psoriatic skin compared to non-lesional tissue. IL-17F also has been implicated in the development of neutrophilic airway inflammation.

This antibody is used to neutralize the bioactivity of IL-17F.

## 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.**

**Aliquoting is unnecessary for -20°C storage**

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

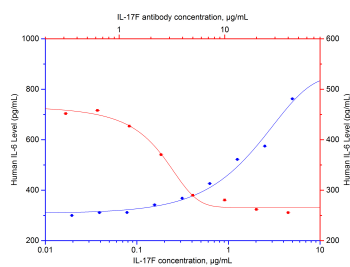
T: 4006900926

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

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

**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-17F (Cat.NO. HZ-1116) stimulates HT-1080 cells (human fibroblast cell line) produce IL-6 in a dose dependent manner (blue curve, refer to bottom X-Left Y axis). The activity of human IL-17F (500 ng/mL HZ-1116) is neutralized by mouse anti-human IL-17F monoclonal antibody 69023-1-Ig (red curve, refer to top X-right Y axis). The ND50 is typically 2-8  $\mu$ g/mL.