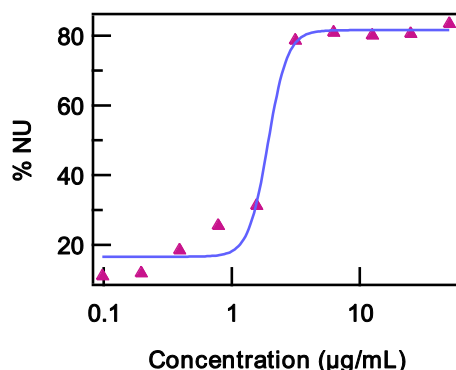


Anti-Human IL-17F Functional Grade Purified

Catalog Number: 16-7169

Also known as: Interleukin-17F

RUO: For Research Use Only. Not for use in diagnostic procedures.



Neutralization of Human IL-17F Recombinant Protein (cat. 14-8479) activity by Anti-Human IL-17F (SHLR17) as measured by IL-6 induction in NIH/3T3 cells.

Product Information

Contents: Anti-Human IL-17F Functional Grade Purified
Catalog Number: 16-7169
Clone: SHLR17
Concentration: 1 mg/mL
Host/Isotype: Rat IgG1, kappa
Handling Conditions: Use in sterile environment.
Endotoxin: Less than 0.001 ng/ug antibody, as determined by the LAL assay.



Formulation: aqueous buffer, no sodium azide
Temperature Limitation: Store at 2-8°C.

Batch Code: Refer to vial

Use By: Refer to vial

Description

This SHLR17 monoclonal antibody reacts with human interleukin (IL)-17F. IL-17F is a homodimeric, 34 kDa member of the IL-17 family, which includes IL-17(A), B, C, D, E (IL-25). Within this family, IL-17A and IL-17F are produced preferentially by T helper 17 (Th17) cells, with other members produced more widely. IL-17F and IL-17A have many overlapping functions, but knockout studies have shown each to have independent functions as well. *In vitro* cultured Th17 cells have been shown to express IL-17F and IL-17A homodimers and IL-17A/F heterodimers depending on the culture conditions and their differentiation state. A heterodimer of IL-17RA and IL-17RC has been shown to bind IL-17F, resulting in target cell-secretion of pro-inflammatory cytokines and chemokines, as well as neutrophil recruitment.

This SHLR17 monoclonal antibody neutralizes the bioactivity of IL-17F homodimers without affecting IL-17A/F heterodimers.

Applications Reported

This SHLR17 monoclonal antibody inhibits the activity of human IL-17F.

Applications Tested

The ND50 of SHLR17, as measured by the inhibition of mouse IL-6 induction in NIH/3T3 cells, is 0.5-4 µg/mL in the presence of 1 µg/mL of Human IL-17F Recombinant Protein. Neutralization dose will vary depending on assay method, cytokine concentration, and cell type. This antibody should be carefully titrated for optimal performance in the assay of interest.

References

Boniface K, Blumenschein WM, Brovont-Porth K, McGeachy MJ, Basham B, Desai B, Pierce R, McClanahan TK,

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Related Products

14-8479 Human IL-17F Recombinant Protein

16-4301 Rat IgG1 K Isotype Control Functional Grade Purified

16-7178 Anti-Human IL-17A Functional Grade Purified (eBio64CAP17)

16-7222 Anti-Human/Mouse IL-22 Functional Grade Purified (IL22JOP)