

IL-17C Polyclonal Antibody(Capture/Detector)

catalog number: AN003970P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

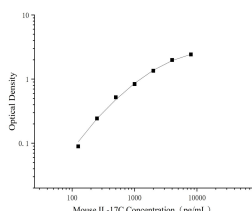
Description

Reactivity	Mouse;Human
Immunogen	Recombinant Mouse IL-17C Protein expressed by E.coli
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen Affinity Purification
Buffer	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.

Applications Recommended Dilution

ELISA Capture	2-8 µg/mL
ELISA Detector	0.1-0.4 µg/mL

Data



Sandwich ELISA-Recombinant Mouse IL-17C Protein standard curve. Background subtracted standard curve using Anti-IL-17C antibody(AN003970P)(Capture), Anti-IL-17C antibody(AN003970P)(Detector). The reference range value is 125-8000pg/mL for mouse.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

For Research Use Only

The Interleukin 17 (IL-17) family proteins, comprising six members (IL-17, IL-17B through IL-17F), are secreted, structurally related proteins that share a conserved cysteine-knot fold near the C-terminus, but have considerable sequence divergence at the N-terminus. With the exception of IL-17B, which exists as a non-covalently linked dimer, all IL-17 family members are disulfide-linked dimers. IL-17 family proteins are pro-inflammatory cytokines that induce local cytokine production and are involved in the regulation of immune functions. Two receptors (IL-17 R, and IL-17B R), which are activated by IL-17 family members have been identified. In addition, at least three additional orphan type I transmembrane receptors with homology to IL-17 R, including IL-17 RL (IL-17 RC), IL-17 RD, and IL-17 RE, have also been reported. Mouse IL-17C cDNA encodes a 194 amino acid (aa) protein with a putative 14 aa signal peptide. Although there are no potential N-linked glycosylation sites, it is reportedly glycosylated. IL-17C shares from 15%-30% aa sequence identity with other IL-17 family members. Mouse and human IL-17C share 83% aa sequence identity. IL-17C has a very restricted expression pattern and was detected as a rare expressed sequence tag (EST) in an adult prostate and fetal kidney libraries. IL-17C has been shown to stimulate the release of TNF-alpha and IL-1 beta from the monocytic cell line THP-1, a property it shares with IL-17B. Human IL-17C is active on mouse cells.

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