

## Recombinant Mouse Interleukin-17C (rm IL-17C)

**Introduction:** Mouse IL-17C cDNA encodes a 194 amino acid (aa) residues protein with a putative 14 aa signal peptide. Although there are no potential Nlinked glycosylation sites, it is reportedly glycosylated. IL-17C shares from 15% to 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 IL1 $\beta$  from the monocytic cell line THP1, a property it shares with IL-17B. Human IL-17C is active on mouse cells. The receptor of IL-17C has not yet been identified.

**Description:** Recombinant Murine IL-17C produced in *E.Coli* is a 20.2 kDa protein containing 194 amino acid residues.

**Source:** *Escherichia Coli*.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Formulation:** Lyophilized from a 0.22  $\mu$ m filtered solution in 25 mM TRIS, pH 7.0 + 200 mM NaCl. The sample size of 1 $\mu$ g contains Trehalose 5% (w/vol) for better recovery

**Solubility:** It is recommended to reconstitute the lyophilized rm IL-17C in sterile H<sub>2</sub>O not less than 100  $\mu$ g/ml, which can then be further diluted to other aqueous solutions.

**Stability:** Lyophilized rm IL-17C although stable at room temperature for 3 weeks, should be stored desiccated below -18 $^{\circ}$  C . Upon reconstitution rm IL-17C should be stored at 4 $^{\circ}$  C between 2-7 days and for future use below -18 $^{\circ}$  C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Purity:** 95.0% as determined by SDS-PAGE.

**Endotoxicity:** The endotoxin level is less than 1 EU/mg (0.1 ng/ml) determined by LAL method

This material is offered for **research only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

<i>small</i>	5 $\mu$ g	Cat.N $^{\circ}$	12346170
<i>medium</i>	25 $\mu$ g	Cat.N $^{\circ}$	12346174
<i>large</i>	100 $\mu$ g	Cat.N $^{\circ}$	12346176
<i>x-large</i>	500 $\mu$ g	Cat.N $^{\circ}$	12346177

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