

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 α and IL1 β 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 μ m filtered solution in 25 mM TRIS, pH 7.0 + 200 mM NaCl. The sample size of 1 μ g contains Trehalose 5% (w/vol) for better recovery

Solubility: It is recommended to reconstitute the lyophilized rm IL-17C in sterile H₂O not less than 100 μ 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° C . Upon reconstitution rm IL-17C should be stored at 4° C between 2-7 days and for future use below -18° 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

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<i>small</i>	5 μ g	Cat.N°	12346170
<i>medium</i>	25 μ g	Cat.N°	12346174
<i>large</i>	100 μ g	Cat.N°	12346176
<i>x-large</i>	500 μ g	Cat.N°	12346177

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