



3050 Spruce Street
Saint Louis, Missouri 63103 USA
Telephone 800-325-5832 • (314) 771-5765
Fax (314) 286-7828
email: techserv@sial.com
sigma-aldrich.com

Product Information

Interleukin-17 mouse, recombinant expressed in *E. coli*

Product Number **I4026**
Storage Temperature $-20\text{ }^{\circ}\text{C}$

Synonym: IL-17

Product Description

Interleukin 17 (IL-17), initially known as CTLA-8, is a T cell-expressed polypeptide that appears to be involved in the regulation of the hematopoietic system.¹ IL-17 has been shown to induce IL-6, IL-8, and G-CSF production by fibroblasts; all of these cytokines have demonstrated effects on hematopoiesis.^{2,3}

Mature mouse IL-17 is a variably-glycosylated polypeptide of 137 amino acids that shares an 87% amino acid sequence homology with rat IL-17 and 63% homology with human IL-17.⁴ It has a molecular mass of 16.5 kDa.

This product is lyophilized from a 0.2 μm -filtered solution of 30% acetonitrile and 0.1% trifluoroacetic acid (TFA), containing 1.25 mg of bovine serum albumin as a carrier protein.

The biological activity of recombinant mouse IL-17 is measured by its ability to induce IL-6 production by NIH 3T3 cells.⁴

Purity: $\geq 97\%$ (SDS-PAGE)

Endotoxin: Tested

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

Reconstitute the contents of the vial using 0.2 μm filtered PBS containing 0.1% HSA or BSA to a final concentration of not less than 10 $\mu\text{g}/\text{ml}$.

Storage/Stability

Store the product at $-20\text{ }^{\circ}\text{C}$.

After reconstitution, store at $2-8\text{ }^{\circ}\text{C}$ for a maximum of 3 months. For extended storage, freeze in working aliquots at $-70\text{ }^{\circ}\text{C}$ or $-20\text{ }^{\circ}\text{C}$. Repeated freezing and thawing is not recommended.

References

1. Yao, Z. *et al.*, J. Immunol., **155**, 5483 (1995).
2. Broxmeyer, H.E., J. Exp. Med., **183**, 2411 (1996).
3. Fossiez, F. *et al.*, J. Exp. Med., **183**, 2593 (1996).
4. Yao, Z. *et al.*, Immunity, **3**, 811 (1995).

KAA,DAA,MAM 09/06-1

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.