

# Mouse Interleukin-17B (mIL-17B)



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MW (kDa):	UniProt ID:	Entrez-Gene Id:
18	#Q9QXT6	56069

## Background

IL-17B is a member of the IL-17 family of structurally related proteins (1). Unlike other IL-17 family members, IL-17B is a non-covalently linked homodimer (1,2). IL-17B is expressed by chondrocytes and neurons, and binds to the IL-17RB receptor (1-4). Human IL-17B has been shown to induce TNF- $\alpha$  and IL-1 $\beta$  from monocytic THP-1 cells and may be involved in neutrophil recruitment *in vivo* (3). However, the exact biological functions of IL-17B remain elusive.

## Endotoxin

Less than 0.01 ng endotoxin/1  $\mu$ g mIL-17B.

## Purity

>98% as determined by SDS-PAGE of 6  $\mu$ g reduced (+) and non-reduced (-) recombinant mIL-17B. All lots are greater than 98% pure.

## Source / Purification

Recombinant mouse IL-17B (mIL-17B) His21-Phe180 (Accession #NP\_062381) was produced in *E. coli* at Cell Signaling Technology.

## Bioactivity

The activity of mIL-17B was assessed by its ability to bind to IL-17RB in a functional ELISA. The concentration at which half-maximal binding was observed for each lot was 0.1-1.0  $\mu$ g/ml.

## Background References

1. Iwakura, Y. et al. (2011) *Immunity* 34, 149-62.
2. Shi, Y. et al. (2000) *J Biol Chem* 275, 19167-76.
3. Moore, E.E. et al. (2002) *Neuromuscul Disord* 12, 141-50.
4. Li, H. et al. (2000) *Proc Natl Acad Sci U S A* 97, 773-8.

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