

## Recombinant Human Interleukin-17B (IL-17B)

<b>CATALOG #:</b>	4176B-25
<b>AMOUNT:</b>	25 µg
<b>LOT #:</b>	_____
<b>SOURCE:</b>	<i>E. coli</i>
<b>PURITY:</b>	>98% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per µg of IL-17B.
<b>FORMULATION:</b>	Sterile filtered and lyophilized from 1X PBS, pH 7.5

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 µg/µl. The solution can then be diluted into other aqueous buffers and store at 4°C for 1 week or – 20°C for future use. It is recommended that further dilutions be made into buffer containing carrier protein or medium containing serum.

### STORAGE CONDITIONS:

The lyophilized human IL-17B is best-stored desiccated below 0°C. Reconstituted IL-17B should be stored at working aliquots at -20°C.

### DESCRIPTION:

IL-17B is a disulfide-linked homodimer of two 161 amino acid polypeptide chains. It belongs to the IL-17 family of structurally-related cytokines that share a highly conserved C-terminal region but differ from one another in their N-terminal regions and in their distinct biological roles. The six known members of this family, IL-17A through IL-17F, are secreted as homodimers. IL-17B is expressed by T-cells and has been shown to stimulate release of TNF-alpha and IL-1beta from cells of the monocyte lineage. Recombinant human IL-17B is a 36.6 kDa disulfide-linked homodimer of two 161 amino acid polypeptide chains.

### BIOLOGICAL ACTIVITY:

Determined by its ability to induce IL-8 in human PBMCs using a concentration range of 10 ng-100 ng. Note: Results may vary with PBMC donors.

**USAGE:** For Research Use Only! Not to be used in human.

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