

Recombinant Human Interleukin-17E (IL-17E)

CATALOG #: 4176E-25 25 µg
4176E-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng per µg of IL-17E.

FORMULATION: Lyophilized with no additives

RECONSTITUTION:

The lyophilized IL-17E can be reconstituted in water to a concentration of 0.1 µg/µl. It is recommended that further dilutions be made into buffer containing carrier protein or medium containing serum.

STORAGE CONDITIONS:

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

DESCRIPTION:

IL-17E is a disulfide-linked homodimer of two 145 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-17E stimulates secretion of IL-8, and induces activation of the transcription factor NK-kB in cells that express the IL-17BR receptor. Recombinant human IL-17E is a 33.8 kDa disulfide-linked homodimer of two 145 amino acid polypeptide chains.

BIOACTIVITY:

The activity is determined by the dose-dependent production of IL-8 from cultured human PBMCs and is typically 10-100 ng/ml.

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