

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

<b>CATALOG #:</b>	4176-25	25 µg
	4176-1000	1 mg
<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-17A.	
<b>FORMULATION:</b>	Sterile filtered and lyophilized with no additives	

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or – 20°C for future use.

### STORAGE CONDITIONS:

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

### DESCRIPTION:

The original described IL-17 protein, now known as IL-17A, was identified from a CD4+ T cells DNA library. IL-17 can be induced from primary peripheral blood CD4+ T cells upon stimulation. Supernatant from cells transfected with IL-17 induced IL-16 and IL-18 production and enhanced the surface expression of the intracellular adhesion molecule-1 (ICAM-1) in human fibroblasts. Recombinant IL-17 is a 31 kDa disulfide-linked homodimer of two 136 amino acid polypeptide chains.

### BIOLOGICAL ACTIVITY:

The ED<sub>50</sub> as determined by the dose-dependent induction of IL-6 in primary human foreskin fibroblasts is ≤ 2 ng/ml, corresponding to a specific activity of > 5 x 10<sup>5</sup> units/mg.

**FOR RESEARCH USE ONLY! Not to be used in humans.**

### RELATED PRODUCTS:

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- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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