

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

CATALOG #:	4176-25	25 µg
	4176-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per µg of IL-17A.	
FORMULATION:	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 ED₅₀ 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 10⁵ units/mg.

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

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