

## IL17A

### Recombinant Human Interleukin-17A

<b>Catalog No.</b>	CRH065A CRH065B CRH065C	<b>Quantity:</b>	5 µg 25 µg 1 mg
<b>Alternate Names:</b>	CTLA-8, IL17A, IL-17, Cytotoxic T-lymphocyte-associated antigen 8		
<b>Description:</b>	Human Interleukin 17A (IL-17A) is a pro-inflammatory cytokine member of a six-species family of proteins (IL-17A-17F). IL-17A is secreted mainly by activated CD4+ and CD8+ T lymphocytes and acts through its receptor, IL-17R, to induce the expression of many mediators of inflammation, most importantly, those that are involved in the proliferation, maturation and chemotaxis of neutrophils. Elevated levels of IL-17A have been associated with several conditions, including rheumatoid arthritis, airway inflammation, allograft rejection, inflammatory bowel disease, psoriasis, cancer and multiple sclerosis. Recombinant Human Interleukin-17A is a disulfide-linked homodimer of two 137 amino acid polypeptide chains.		
<b>Gene ID:</b>	3605		
<b>Protein Accession No:</b>	Q16552		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	15.7 kDa (monomer)/ 31.3 kDa (dimer)		
<b>Formulation:</b>	Lyophilized from a sterile-filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA).		
<b>Purity:</b>	>95% by SDS-PAGE		
<b>Endotoxin Level:</b>	≤1 EU/µg of protein by kinetic LAL analysis		
<b>Biological Activity:</b>	Fully biologically active when compared to standard. The ED <sub>50</sub> as determined by IL-6 production by mouse NIH/3T3 cells, is < 10 ng/ml.		
<b>Specific Activity:</b>	> 1 x 10 <sup>5</sup> units/mg		
<b>Amino Acid Sequence:</b>	MIVKAGITIP RNPGCNPSED KNFPRTVMVN LNIHNRNTNT NPKRSSDYNN RSTSPWNLHR NEDPERYPSV IWEAKCRHLG CINADGNVDY HMNSVPIQQE ILVLRREPPH CPNSFRLEKI LVSVGCTCVT PIVHHVA		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water to a concentration of 0.1 mg/ml. <b>DO NOT VORTEX.</b> Allow several minutes for complete reconstitution. Further dilutions should be made in appropriate buffered solutions.		
<b>Storage &amp; Stability:</b>	Lyophilized product is stable at room temperature for shipping purposes. Upon receipt, store desiccated at -20°C for up to 1 year.  Upon reconstitution, the preparation is stable for up to one month at 2-8°C. For long term storage, freeze in working aliquots and store at -20 to -80°C. For maximal stability, dilute to working aliquots in a 0.1% BSA solution. <b>Avoid repeated freeze-thaw cycles.</b>		
<b>Revision Date:</b>	July 2016		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.