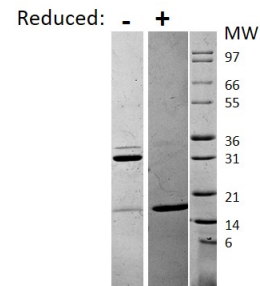
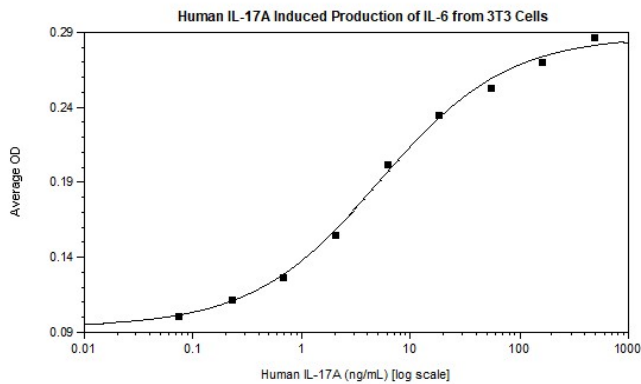


## IL17A

### Recombinant Human IL-17A

<b>Catalog No.</b>	CRI231A CRI231B CRI231C CRI231D	<b>Quantity:</b>	5 µg 25 µg 1 mg 100 µg
<b>Alternate Names:</b>	CTLA-8, Interleukin-17		
<b>Description:</b>	IL-17A is a pro-inflammatory cytokine and a member of the IL-17 family of cytokines. It is produced by activated T cells and acts through its receptor, IL-17R. This cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases. IL-17A can stimulate the expression of IL-6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis.		
<b>Gene ID:</b>	3605		
<b>UniProt ID:</b>	Q16552		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	15.7/31.3 kDa (132/264 aa) homodimer		
<b>Formulation:</b>	Lyophilized from a sterile filtered solution containing 0.1% Trifluoroacetic Acid (TFA).		
<b>Purity:</b>	≥95% by reducing and non-reducing SDS-PAGE		
<b>Endotoxin Level:</b>	≤ 0.1 EU/µg, by kinetic LAL		
<b>Biological Activity:</b>	ED <sub>50</sub> ≤ 10 ng/ml, as determined by dose-dependent production of IL-6 by mouse 3T3 cells.		
<b>Specific Activity:</b>	≥ 1.0 x 10 <sup>5</sup> U/mg		
<b>Amino Acid Sequence:</b>	MIVKAGITIP RNP GCPNSED 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. Suspend product by gently pipetting solution down sides of vial. <b>DO NOT VORTEX.</b> Allow several minutes for complete reconstitution.		
<b>Storage &amp; Stability:</b>	Upon receipt, store at -20 °C to -80 °C for up to 1 year. Upon reconstitution, the preparation is stable for up to one month at 2-8 °C. For long term, store working aliquots at -20 °C to -80 °C for up to 3 months. For maximal stability, dilute to working aliquots in a 0.1% BSA solution. <b>Avoid repeated freeze-thaw cycles.</b>		



## Human IL-17A

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human IL-17A is a homodimer with a predicted total MW of 31.3 kDa.

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



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