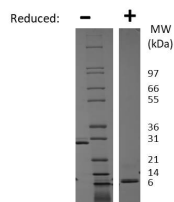


## IL17a

### Recombinant Rat Interleukin-17A

<b>Catalog No.</b>	CS323A CS323B CS323C CS323D	<b>Quantity:</b>	5 µg 25 µg 1 mg 100 µg
<b>Alternate Names:</b>	IL-17, IL-17A, Cytotoxic T-lymphocyte-associated antigen 8, CTLA-8		
<b>Description:</b>	Interleukin-17A (IL-17A), also known as CTLA-8, 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. Human, mouse and rat IL-17A show activity on mouse cells. Recombinant rat IL-17A is a non-glycosylated, disulfide-linked homodimer.		
<b>UniProt ID:</b>	Q61453		
<b>Gene ID:</b>	301289		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	15.1/30.3 kDa (134/268 aa) homodimer		
<b>Formulation:</b>	Lyophilized from sterile-filtered 10 mM sodium citrate, pH 3.0		
<b>Purity:</b>	≥ 95% determined by reducing and non-reducing SDS-PAGE		
<b>Endotoxin Level:</b>	≤ 1 EU/µg by kinetic LAL analysis		
<b>Biological Activity:</b>	Recombinant rat IL-17A demonstrates dose-dependent IL-6 production in 3T3 cells, detected by ELISA.		
<b>Amino Acid Sequence:</b>	MAVLIPQSSV CPNAEANNFL QNVKVNLIKVL NSLSSKASSR RPSDYLNRS SPWTLSRNED PDRYPSVIWE AQCRHQRCVN AEGKLDHMHN SVLIQQEILV LKREPEKCPF TFRVEKMLVG VGCTCVSSIV RHAS		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. <b>DO NOT VORTEX.</b> Allow several minutes for complete reconstitution.		
<b>Storage &amp; Stability:</b>	Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, store at 2-8°C for up to 1 month or prepare working aliquots and store at -20°C to -80°C for up to 3 months. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. <b>Avoid repeated freeze-thaw cycles.</b>		





**Rat IL-17A Gel**

Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Rat IL-17A is a dimer with a predicted MW of 30.3 kDa (each monomer is 15.1 kDa).

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



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