

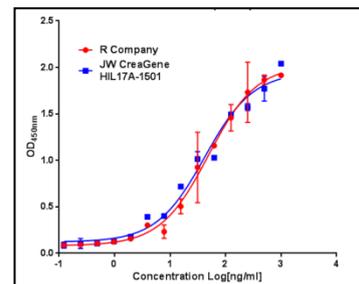
## DATA SHEET

### Product Information

<b>Product Name</b>	: <b>Recombinant Human Interleukin-17A (rhIL-17A)</b>
<b>Synonyms</b>	: IL-17, IL-17A, Cytotoxic T-lymphocyte-associated antigen 8 (CTLA-8)
<b>Description</b>	: The protein encoded by this gene is a proinflammatory cytokine produced by activated T cells. This cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL6 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. (Ref. From Wikipedia)
<b>NCBI Accession No.</b>	NM_002190.2
<b>Amino acid sequence</b>	: <b>MIVKAGITIPRNPGPCNSEDKNFPRTVMVNLNIHNRNTNTNPKRSSDYYNRS TSPWNLHRNEDPERYPSVIWEAKCRHLGCINADGNVDYHMNSVPIQQEILVL RREPPHCPNSFRLEKILVSVGCTCVTPIVHHVA*</b>
<b>Molecular Mass</b>	: 15.63 kDa (137 aa)
<b>Protein Tags</b>	: No tagging
<b>Source</b>	: <i>E. coli</i> .
<b>Cat. No.</b>	: JW-H012-0010, JW-H012-0025, JW-H012-0050, JW-H012-0100, JW-H012-0250, JW-H012-0500, JW-H012-1000
<b>Storage</b>	: Should be at $\leq -70$ °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
<b>Cross Reactivity</b>	: Human, Mouse, Cow

### Quality Control

Test items	Specifications
<b>Appearance</b>	: Clear, colorless liquid
<b>Purity</b>	: Greater than 95 % by RP-HPLC and SDS-PAGE
<b>Specificity</b>	: Using Western blot, detection
<b>Concentration</b>	: 0.1 mg/ml, Bradford method
<b>Biological Activity</b>	: Determined by IL-6 production from NIH/3T3 indicator cells. The ED50 is <7.5ng/ml, corresponding to a specific activity of $<1.3 \times 10^5$ U/mg
<b>Endotoxin</b>	: Less than 0.1 EU/ $\mu$ g as determined by the LAL method
<b>Formulation</b>	: PBS, 5% glycerol (pH 7.4) without preservative or carrier proteins.
<b>Stability</b>	: Stable for up to 12 months at $-70$ °C. Stable for a month at $4$ °C.
<b>Sterility</b>	: Sterilized through a $0.2 \mu$ m membrane filter and packaged aseptically. Culture for 2 weeks, no growth



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