

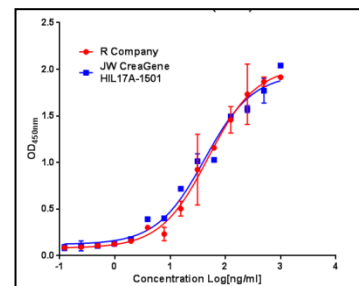
DATA SHEET

Product Information

Product Name	: Recombinant Human Interleukin-17A (rhIL-17A)
Synonyms	: IL-17, IL-17A, Cytotoxic T-lymphocyte-associated antigen 8 (CTLA-8)
Description	: 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)
NCBI Accession No.	NM_002190.2
Amino acid sequence	: MIVKAGITIPRNPGPCPNSDKNFPRTVMVNLNIHNRNTNTNPKRSSDYYNRS TSPWNLHRNEDPERYPVSIWEAKCRHLGCINADGNVDYHMNSVPIQQEILVL RREPPHCPNSFRLEKILVSVGCTCVTPIVHHVA*
Molecular Mass	: 15.63 kDa (137 aa)
Protein Tags	: No tagging
Source	: <i>E. coli</i> .
Cat. No.	: HIL17A-10, HIL17A-25, HIL17A-50, HIL17A-100, HIL17A-250, HIL17A-500
Storage	: Should be at ≤ -70 °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
Cross Reactivity	: Human, Mouse, Cow

Quality Control

Test items	Specifications
Appearance	: Clear, colorless liquid
Purity	: Greater than 95 % by RP-HPLC and SDS-PAGE
Specificity	: Using Western blot, detection
Concentration	: 0.1 mg/ml, Bradford method
Biological Activity	: Determined by IL-6 production from NIH/3T3 indicator cells. The ED50 is <5.0ng/ml, corresponding to a specific activity of $<0.2 \times 10^6$ EU/mg
Endotoxin	: Less than 1.0 EU/ μ g as determined by the LAL method
Formulation	: PBS, 5% glycerol (pH 7.0~8.0) without preservative or carrier proteins.
Stability	: Stable for up to 12 months at -70 °C. Stable for a month at 4 °C.
Sterility	: Sterilized through a 0.2 μ m membrane filter and packaged aseptically. Culture for 2 weeks, no growth



Manufacturer : **JW CreaGene Inc.**
 FL2, Jungang induspia V, 138-6, Sangdaewon-dong, Jungwon-gu, Seongnam-si,
 Gyeonggi-do, South Korea (462-120)
 Tel: 82-31-737-3310, Fax: 82-31-737-3301