

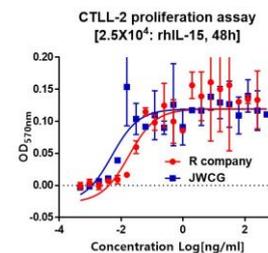
## DATA SHEET

### Product Information

<b>Product Name</b>	: <b>Recombinant Human Interleukin 15 (rhIL-15)</b>
<b>Synonyms</b>	: IL-T, interleukin 15
<b>Description</b>	: Interleukin-15 (IL-15) is a cytokine with structural similarity to Interleukin-2 (IL-2). Like IL-2, IL-15 binds to and signals through a complex composed of IL-2/IL-15 receptor beta chain (CD122) and the common gamma chain (gamma-C, CD132). IL-15 is secreted by mononuclear phagocytes following infection by virus. This cytokine induces cell proliferation of natural killer cells; cells of the innate immune system whose principal role is to kill virally infected cells. In addition, IL-15 promotes the development of dendritic cells, activates human neutrophils and induces the production of proinflammatory cytokines from macrophages. (Ref. From Wikipedia)
<b>NCBI Accession No.</b>	: NM_172175.2
<b>Amino acid sequence</b>	: <b>MNWNVISDLKKIEDLIQSMHIDATLYTESDVHPSCKVTAMKCFLLELQVIS LESGDASIHDTVENLIILANNSLSSNGNVTESGCKECELEEKNIKEFLQSF VHIVQMFINTS</b>
<b>Molecular Mass</b>	: 12.9 kDa (115 a.a)
<b>Protein Tags</b>	: No tagging
<b>Source</b>	: <i>E. coli</i> .
<b>Cat. No.</b>	: JW-H032-0010, JW-H032-0025, JW-H032-0100, JW-H032-0250, JW-H032-0500, JW-H032-1000
<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, Rat, Monkey

### Quality Control

Test items	Specifications
<b>Appearance</b>	: Clear, colorless liquid
<b>Purity</b>	: Greater than 98 % 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 proliferation of CTLL-2 indicator cells. The ED50 is $\leq 2.6$ ng/ml, corresponding to a specific activity of $\geq 3.8 \times 10^5$ U/mg
<b>Endotoxin</b>	: Less than 0.2 EU/ $\mu$ g as determined by the LAL method
<b>Formulation</b>	: 50mM Tris, 5% Glycerol (pH 8.5) 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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