

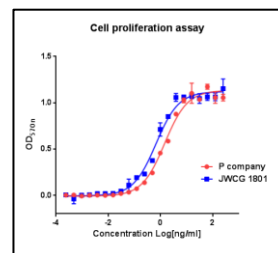
DATA SHEET

Product Information

Product Name	: Recombinant Mouse Interleukin 2 (rmIL-2)
Synonyms	: IL2, TCGF, lymphokine, interleukin 2
Description	: Interleukin-2 (IL-2) is an interleukin, a type of cytokine signaling molecule in the immune system. It is a protein that regulates the activities of white blood cells that are responsible for immunity. In the thymus, where T cells mature, it prevents autoimmune diseases by promoting the differentiation of certain immature T cells into regulatory T cells, which suppress other T cells that are otherwise primed to attack normal healthy cells in the body. IL-2 also promotes the differentiation of T cells into effector T cells and into memory T cells when the initial T cell is also stimulated by an antigen, thus helping the body fight off infections. (Ref. From Wikipedia)
NCBI Accession No.	: NM_008366.3
Amino acid sequence	: MAPTSSSTSSSTAEAAQQQQQQQQQQQHLEQLLMDLQELLSRMENYRNKLP RMLTFKFKYLPKQATELKDLDLQCLEDELGPLRHVLDLTQSKSFQLEDAENFISN IRVTVVKLGSDNTFECQFDDESATVVDFLRRWIAFCQSIISTSPQ
Molecular Mass	: 17.3 kDa (150 a.a)
Protein Tags	: No tagging
Source	: <i>E. coli</i> .
Cat. No.	: JW-M009-0010, JW- M009-0025, JW-M009-0100, JW-M009-0250, JW-M009-0500, JW-M009-1000
Storage	: Should be at ≤ -70 °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
Cross Reactivity	: Human

Quality Control

Test items	Specifications
Appearance	: Clear, colorless liquid
Purity	: Greater than 98 % by RP-HPLC and SDS-PAGE
Specificity	: Using Western blot, detection
Concentration	: 0.1 mg/ml, Bradford method Determined by proliferation of CTLL-2 indicator cells.
Biological Activity	: The ED50 is ≤ 0.2 ng/ml, corresponding to a specific activity of $\geq 5 \times 10^6$ EU/mg
Endotoxin	: Less than 1.0 EU/ μ g as determined by the LAL method
Formulation	: PBS (w/o NaCl) , 10% Glycerol (pH 7.6) 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