

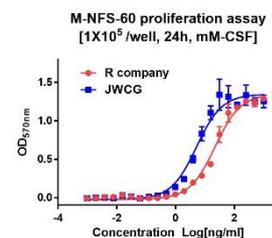
DATA SHEET

Product Information

Product Name	: Recombinant Mouse M-CSF (rmM-CSF)
Synonyms	: Macrophage-colony-stimulating factor 1, MCSF, CSF1
Description	: Recombinant mM-CSF produced in <i>E. coli</i> is a non-glycosylated 31kDa homodimeric protein containing 231 amino acids polypeptide subunit. M-CSF, also known as CSF-1, is the primary regulator of the survival, proliferation, differentiation and function of mononuclear phagocytes. M-CSF plays important roles in innate immunity, cancer and inflammatory diseases, including systemic lupus erythematosus, arthritis, atherosclerosis and obesity. M-CSF binds to the tyrosine kinase receptor CSF-1 receptor on myeloid progenitor cells, which results in their differentiation into several cell types belonging to the mononuclear phagocyte lineage.
NCBI Accession No.	NM_007778.4
Amino acid sequence	: MKEVSEHC SHMIGNHGLKVLQQLIDSQMETSCQIAFEFVDQEQLDDPVCYLK KAFFLVQDIIDETMRFKDNTPNANATERLQELSNLNSCF TKDYEEQNKACV RTFHETPLQLLEKIKNFFNETKNLLEKDWNI FTKNCNNSFAKCSSRDVVTKP DCNCLYPKATPSSDPASASPHQPPAPSMAPLAGLAWDDSQRTEGSSLLPSEL PLRIEDPGSAKQRPPRSTCQLE
Molecular Mass	: 26.07 kDa (231 aa)
Protein Tags	: No tagging
Source	: <i>E. coli</i> .
Cat. No.	: JW-M003-0010, JW-M003-0025, JW-M003-0050, JW-M003-0100, JW-M003-0250, JW-M003-0500, JW-M003-1000
Storage	: Should be at ≤ -70 °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
Cross Reactivity	: Human, Rat

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 proliferation of M-NFS-60 indicator cells The ED50 is 0.5~2.0ng/ml, corresponding to a specific activity of $5.0 \times 10^5 \sim 2.0 \times 10^6$ U/mg
Endotoxin	: Less than 0.1 EU/ μ g as determined by the LAL method
Formulation	: PBS, 10% glycerol (pH 7.4) 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



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