

Mouse M-CSF ELISA Kit | CCL3 elisa kit

Mouse M-CSF PicoKine ELISA Kit

CATALOG #
AAA45261

REACTIVITY
Mouse

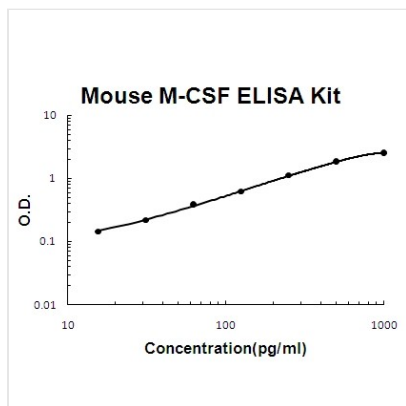
PRODUCT SYNONYMS

M-CSF; Mouse M-CSF PicoKine ELISA Kit; Macrophage colony-stimulating factor 1; chemokine (C-C motif) ligand 3; CSF-1; CSF1; Lanimostim; MCSF; Processed macrophage colony-stimulating factor 1; CCL3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse M-CSF
Sequence Length	552
Samples	Cell culture supernates, tissue homogenates, serum and plasma (EDTA)
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 1pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse M-CSF PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CCL3 elisa kit	Principle of the assay: mouse M-CSF ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for M-CSF has been precoated onto 96-well plates. Standards (E.coli,K33-E262) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for M-CSF is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse M-CSF amount of sample captured in plate. Background: M-CSF, also called CSF1, consists of a 14-amino acid peptide, longer than the usual 8-to-11 mer recognized by most CTLs. The M-CSF gene is mapped to 1p21-p13 and contains 10 exons and 9 introns spanning 20 kb. Although it is a single-copy gene, its expression results in the synthesis of several mRNAs, ranging in size from about 1.5 to 4.5 kb. There are 2 forms of M-CSF, with 224 and 522 amino acids, resulting from alternative splicing. Furthermore, M-CSF has a role in development of the placenta. Uterine M-CSF concentration is regulated by a synergistic action of estradiol and progesterone. M-CSF is produced by uterine glandular epithelial cells. It had been found that FMS, the M-CSF receptor, is expressed in placenta and choriocarcinoma cell lines.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1345843
NCBI GeneID	12977
UniProt Accession #	P07141; Q3U395; Q8R3C8
Molecular Weight	29,353 Da
NCBI Official Full Name	Macrophage colony-stimulating factor 1
NCBI Official Synonym Full Names	colony stimulating factor 1 (macrophage)
NCBI Official Symbol	Csf1
NCBI Official Synonym Symbols	op; Csfm; MCSF; C87615
NCBI Protein Information	macrophage colony-stimulating factor 1; osteopetrosis
UniProt Protein Name	Macrophage colony-stimulating factor 1
UniProt Gene Name	Csf1
UniProt Synonym Gene Names	Csfm; CSF-1; MCSF
UniProt Entry Name	CSF1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.