

Mouse M-CSF ELISA Kit | CSF1 elisa kit

Mouse M-CSF ELISA Kit

CATALOG # AAA105675	REACTIVITY Mouse	APPLICATIONS ELISA
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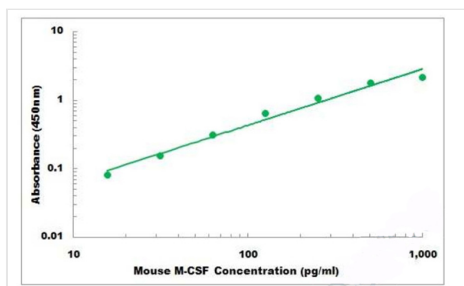
PRODUCT SYNONYMS

M-CSF; Mouse M-CSF ELISA Kit; Macrophage colony-stimulating factor 1; CSF-1; MCSF; Lanimostim; CSF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse M-CSF ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse M-CSF proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	257
Samples	Culture Supernatants, Serum, Plasma, Tissue Homogenates
Sensitivity	< 8 pg/ml
Applicable Applications for CSF1 elisa kit	ELISA (Sandwich ELISA)
Detection Method	Colorimetric
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CSF1 elisa kit	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 kb1. 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 kb2. There are 2 forms of M-CSF, with 224 and 522 amino acids, resulting from alternative splicing3. 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 lines4. Principle of the Assay: The AAA Biotech' Mouse M-CSF ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse M-CSF in Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates. This assay employs an antibody specific for Mouse M-CSF coated on a 96-well plate. Standards and samples are pipetted into the wells and M-CSF present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse M-CSF antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of M-CSF bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	166064046
NCBI GeneID	12977
NCBI Accession #	NP_001107001.1
NCBI GenBank Nucleotide #	NM_001113529.1
UniProt Accession #	P07141; Q3U395; Q8R3C8
Molecular Weight	29,353 Da
NCBI Official Full Name	macrophage colony-stimulating factor 1 isoform 2
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.