

Human M-CSF ELISA Kit | CSF1 elisa kit

Human M-CSF PicoKine ELISA Kit

CATALOG #
AAA45316

REACTIVITY
Human

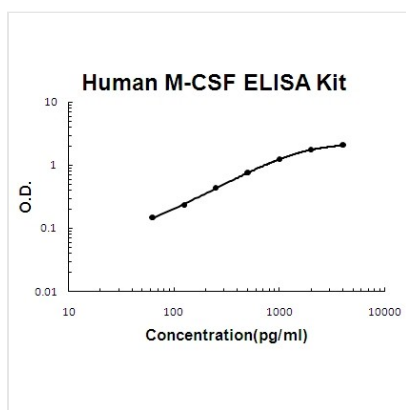
PRODUCT SYNONYMS

M-CSF; Human M-CSF PicoKine ELISA Kit; Macrophage colony-stimulating factor 1; colony stimulating factor 1 (macrophage); Colony stimulating factor 1; Colony stimulating factor 1 (macrophage); Colony stimulating factor macrophage specific; CSF 1; CSF-1; CSF1; CSF1_HUMAN; Csfm; Lanimostim; M CSF; Macrophage colony stimulating factor; Macrophage colony stimulating factor 1; MCSF; MGC31930; op; OTTHUMP00000013364; OTTHUMP00000013365; OTTMUSP00000032803; OTTMUSP00000032804; Processed macrophage colony-stimulating factor 1; RP11-195M16.2; CSF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human M-CSF
Sequence Length	554
Samples	Cell culture supernates, tissue homogenates, serum, plasma (heparin, EDTA), saliva and urine
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	< 10pg/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)

Human M-CSF PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CSF1 elisa kit	Principle of the assay: human M-CSF ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for M-CSF has been precoated onto 96-well plates. Standards(E.coli,E33-S190) 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 human M-CSF amount of sample captured in plate. Background: M-CSF, also called CSF1, has a role in development of the placenta. Uterine CSF1 concentration is regulated by a synergistic action of estradiol and progesterone. CSF1 is produced by uterine glandular epithelial cells. It had been found that FMS, the CSF1 receptor, is expressed in placenta and choriocarcinoma cell lines1. The CSF1 gene is mapped to 1p21-p13 and contains 10 exons and 9 introns spanning 20 kb2. And there are 2 forms of CSF1, with 224 and 522 amino acids, resulting from alternative splicing3.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	311033367
NCBI GeneID	1435
UniProt Accession #	P09603; Q13130; Q14086; Q14806; Q5VVF3; Q5VVF4; Q9UQR8; A8K6J5
Molecular Weight	29,215 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	MCSF; CSF-1
NCBI Protein Information	macrophage colony-stimulating factor 1; lanimostim
UniProt Protein Name	Macrophage colony-stimulating factor 1
UniProt Gene Name	CSF1
UniProt Synonym Gene Names	CSF-1; M-CSF; MCSF
UniProt Entry Name	CSF1_HUMAN

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.