

Datasheet for ABIN6719805
M-CSF/CSF1 ELISA Kit[Go to Product page](#)

1 Image

Overview

Quantity:	1 kit
Target:	M-CSF/CSF1 (CSF1)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA), Serum, Tissue Lysates
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 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, M-CSF, Macrophage colony stimulating factor, Macrophage colony stimulating factor 1, MCSF, MGC41930, op, OTTHUMP00000013364, OTTHUMP00000013365, OTTMUSP00000032803, OTTMUSP00000032804, Processed macrophage colony-stimulating factor 1, RP11-195M16.2</p> <p>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</p>

Product Details

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.

Gene Name: CCL3

Production: Natural and recombinant mouse M-CSF. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: K33-E262

Target Details

Target: M-CSF/CSF1 (CSF1)

Alternative Name: M-CSF ([CSF1 Products](#))

Gene ID: 12977

NCBI Accession: [NP_001107001](#)

UniProt: [P07141](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL mouse M-CSF standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, tissue lysates, serum or plasma (EDTA) to each empty well. It is recommended that each mouse M-CSF standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Sodium EDTA

ELISA Dilution: 15.6pg/mL-1000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Application Details

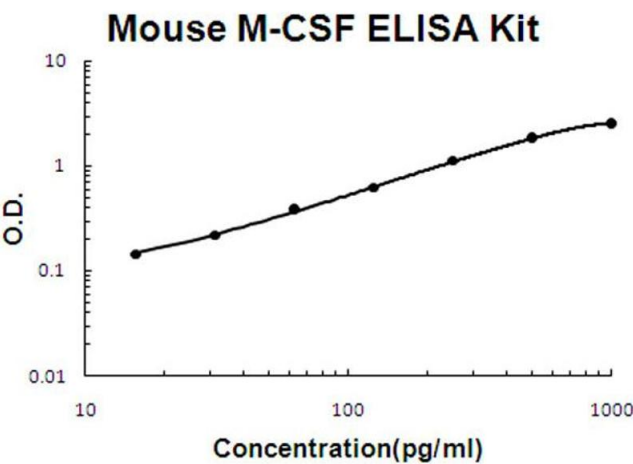
Restrictions: For Research Use only

Handling

Storage: RT,4 °C,-20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Mouse M-CSF Accusignal ELISA Kit Mouse M-CSF AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <1pg/ml.