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Datasheet for ABIN6720397

M-CSF/CSF1 ELISA Kit





Overview

Quantity:	1 kit
Target:	M-CSF/CSF1 (CSF1)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

Product Details

1 Toddet Details	
Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Saliva, Serum, Tissue Lysates, Urine
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	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
	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.

Gene Name: CSF1

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

Standard: Expression system for standard: E.coli, Immunogen sequence: E33-S190

Target Details

Target:	M-CSF/CSF1 (CSF1)
Alternative Name:	M-CSF (CSF1 Products)
Gene ID:	1435
NCBI Accession:	NP_000748
UniProt:	P09603
Pathways:	RTK Signaling

Application Details

Sample Volume:

Restrictions:

Plate:

100 μL

Pre-coated

For Research Use only

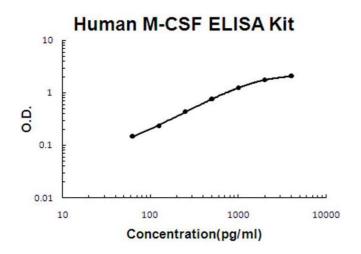
Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot
	0.1 mL per well of the 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL,
	62.5pg/mL human M-CSF standard solutions into the precoated 96-well plate. Add 0.1 mL of
	the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted
	sample of human cell culture supernates, tissue lysates, serum, plasma (heparin or EDTA),
	saliva or urine to each empty well. It is recommended that each human M-CSF standard
	solution and each sample be measured in duplicate.
	Blood Product Anticoagulant: Heparin Sodium
	ELISA Dilution: 62.5 pg/mL-4000 pg/mL
	Other Performance Data: DOE: 2-8° C - 04/15/19 -20° C - 10/15/19

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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. Human M-CSF Accusignal ELISA Kit Human M-CSF AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <10pg/ml.