

Datasheet for KOA0253**Human M-CSF ELISA Kit****Overview**

Description:	Human M-CSF AccuSignal ELISA Kit - KOA0253
Item No.:	KOA0253
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	62.5 pg/ml - 4000 pg/ml

Product Details

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 lines ¹ . The CSF1 gene is mapped to 1p21-p13 and contains 10 exons and 9 introns spanning 20 kb ² . And there are 2 forms of CSF1, with 224 and 522 amino acids, resulting from alternative splicing ³ .
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, OTTMUSP000000032803, OTTMUSP000000032804, Processed macrophage colony-stimulating factor 1, RP11-195M16.2
Detection Kit Type:	ELISA Kit
Detection Range:	62.5 pg/ml - 4000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	CSF1
Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: E33-S190

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

Relevant Links:

- [UniProtKB - P09603](#)
- [NCBI - NP_000748.3](#)
- [GeneID - 1435](#)
- [KOA0253 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 62.5 pg/ml-4000 pg/ml

Other: DOE:
2-8° C - 04/10/2023
-20° C - 10/10/2023

Formulation

Concentration: 1 Kit

Anticoagulant: Heparin Sodium

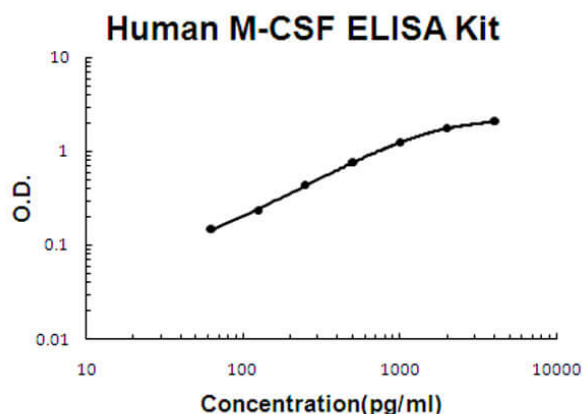
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: 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.

Expiration: See kit insert for complete instructions.

Images



ELISA

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

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.