

**Datasheet for KOA0254****Mouse M-CSF ELISA Kit****Overview**

<b>Description:</b>	Mouse M-CSF AccuSignal ELISA Kit - KOA0254
<b>Item No.:</b>	KOA0254
<b>Size:</b>	1 Kit
<b>Applications:</b>	ELISA
<b>Reactivity:</b>	Mouse
<b>Range:</b>	15.6 pg/ml - 1000 pg/ml

**Product Details**

<b>Background:</b>	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 kb <sup>1</sup> . 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 kb <sup>2</sup> . There are 2 forms of M-CSF, with 224 and 522 amino acids, resulting from alternative splicing <sup>3</sup> . 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 lines <sup>4</sup> .
<b>Synonyms:</b>	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
<b>Detection Kit Type:</b>	ELISA Kit
<b>Detection Range:</b>	15.6 pg/ml - 1000 pg/ml
<b>Sensitivity:</b>	<1 pg/ml

**Target Details**

<b>Gene Name:</b>	CCL3
<b>Reactivity:</b>	Mouse

<b>Immunogen:</b>	Expression system for standard: E.coli; Immunogen sequence: K33-E262
<b>Purity/Specificity:</b>	Natural and recombinant mouse M-CSF. There is no detectable cross-reactivity with other relevant proteins.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">UniProtKB - P07141</a></li><li>• <a href="#">NCBI - NP_001107001.1</a></li><li>• <a href="#">GenelD - 12977</a></li><li>• <a href="#">KOA0254 Protocol</a></li></ul>

## Application Details

<b>Tested Applications:</b>	ELISA
<b>Application Note:</b>	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

## Formulation

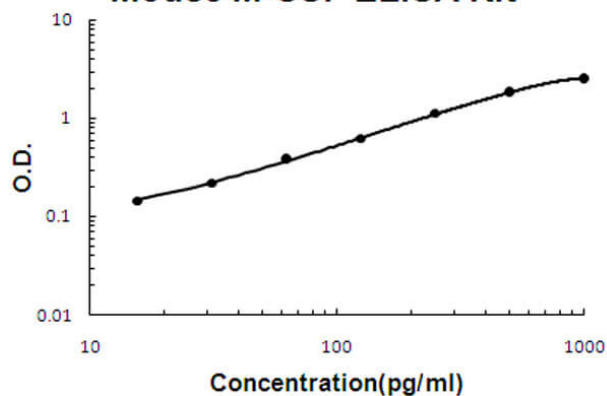
<b>Anticoagulant:</b>	Sodium EDTA
-----------------------	-------------

## Shipping & Handling

<b>Shipping Condition:</b>	Wet Ice
<b>Storage Condition:</b>	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.
<b>Expiration:</b>	See kit insert for complete instructions.

## Images

### Mouse M-CSF ELISA Kit



#### ELISA

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