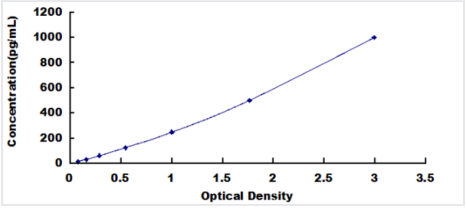
Colony Stimulating Factor 1, Macrophage (MCSF) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Colony Stimulating Factor 1, Macrophage (MCSF), ELISA Kit
Full Product Name	Human Colony Stimulating Factor 1, Macrophage (MCSF) ELISA Kit
Product Gene Name	MCSF elisa kit
Product Synonym Names	CSF1 M-CSF Lanimostim Processed macrophage colony-stimulating factor 1
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Detection Range	15.625-1000pg/mL
Sensitivity	6.5pg/mL
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.
Molecular Weight	29,215 Da
3D Structure	ModBase 3D Structure for P09603
Intra Assay	CV<10%
Inter Assay	CV<12%
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for MCSF elisa kit	MBS454770 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Colony Stimulating Factor 1, Macrophage (MCSF) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing MCSF. The ELISA analytical biochemical technique of the MBS454770 kit is based on MCSF antibody-MCSF antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect MCSF antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, MCSF. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of MCSF elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Typical Testing Data/Standard Curve (for reference only) of MCSF elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MCSF. It may not necessarily be applicable to this product.

NCBI GI #	27262661

NCBI GeneID	1435
NCBI Accession #	NP_000748.3
UniProt Primary Accession #	P09603
UniProt Secondary Accession #	Q13130; Q14086; Q14806; Q5VVF3; Q5VVF4; Q9UQR8; A8K6J5
UniProt Related Accession #	P09603
GenBank Nucleotide #	NM_000757.5
NCBI Official Full Name	macrophage colony-stimulating factor 1 isoform a
NCBI Official Synonym Full Names	colony stimulating factor 1
NCBI Official Symbol	CSF1
NCBI Official Synonym Symbols	MCSF; CSF-1
UniProt Protein Name	Macrophage colony-stimulating factor 1
UniProt Synonym Protein Names	Lanimostim
UniProt Gene Name	CSF1
UniProt Synonym Gene Names	CSF-1; M-CSF; MCSF
NCBI Protein Information	macrophage colony-stimulating factor 1
NCBI Summary for MCSF	The protein encoded by this gene is a cytokine that controls the production, differentiation, and function of macrophages. The active form of the protein is found extracellularly as a disulfide-linked homodimer, and is thought to be produced by proteolytic cleavage of membrane-bound precursors. The encoded protein may be involved in development of the placenta. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011]
UniProt Comments for MCSF	Cytokine that plays an essential role in the regulation of survival, proliferation and differentiation of hematopoietic precursor cells, especially mononuclear phagocytes, such as macrophages and monocytes. Promotes the release of proinflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. Plays an important role in the regulation of osteoclast proliferation and differentiation, the regulation of bone resorption, and is required for normal bone development. Required for normal male and female fertility. Promotes reorganization of the actin cytoskeleton, regulates formation of membrane ruffles, cell adhesion and cell migration. Plays a role in lipoprotein clearance.
Research Articles on MCSF	**1.** This can be achieved by either blocking the EGF or CSF-1 receptors or supressing the EGF or CSF-1 signal.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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