

Mouse M-CSF CLIA Kit | M-CSF clia kit

M-CSF (Murine) LumiAb ELISA Kit

CATALOG #
AAA318577

REACTIVITY
Mouse

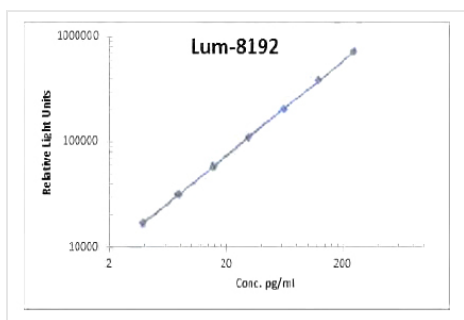
PRODUCT SYNONYMS

M-CSF; M-CSF (Murine) LumiAb ELISA Kit; Murine M-CSF; Macrophage colony-stimulating factor 1; CSF-1; M-CSF clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The LumiAb Murine MCP-3 ELISA is capable of recognizing both recombinant and naturally produced Murine MCP-3 proteins. The antigens listed below were tested at 50 ng/ml and exhibited less than 1% cross reactivity.
Sequence Length	257
Assay Type	Quantitative Sandwich
Sensitivity	8 pg/ml.
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for M-CSF clia kit	Principle of the Assay: The LumiAb Murine MCP-3 Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Murine MCP-3 concentrations within any experimental sample including cell lysates, serum and plasma. This particular immunoassay utilizes the quantitative technique of a "Sandwich" Enzyme-Linked Immunosorbent Assay (ELISA) where the target protein (antigen) is bound in a "sandwich" format by the primary capture antibodies coated to each well-bottom and the secondary detection antibodies added subsequently by the investigator. The capture antibodies coated to the bottom of each well are specific for a particular epitope on Murine MCP-3 while the user-added detection antibodies bind to epitopes on the captured target protein. Amid each step of the procedure, a series of wash steps must be performed to ensure the elimination of non-specific binding between proteins to other proteins or to the solid phase. After incubation and "sandwiching" of the target antigen, a peroxidase enzyme is conjugated to the constant heavy chain of the secondary antibody (either covalently or via Avidin/Streptavidin-Biotin interactions), allowing for a sensitive luminescent reaction to ensue upon substrate addition. When the Peroxide Enhancer solution is added, the reaction catalyzed by peroxidase yields light that is representative of the antigen concentration. After a brief incubation, the microplate can be read with a luminometer, allowing for generation of a standard curve and subsequent determination of protein concentration!!Background/Introduction: Murine MCP-3, also known as Monocyte Chemotactic Protein 3 or C-C Motif Chemokine 7, is a 97 amino acid cytokine protein expressed from the Ccl7 gene located on chromosome 11. After initial synthesis and translocation, the 23 residue signal sequence is cleaved, allowing for the 74 residue MCP-3 peptide to properly fold and mature. MCP-3 is essentially a chemotactic factor that attracts monocytes and eosinophils, but not neutrophils. Moreover, the monomeric member of the intercrine beta (chemokine C-C) family tends to augment monocyte anti-tumor activity as well.
Product Categories/Family for M-CSF clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	166064046
NCBI GeneID	12977
NCBI Accession #	NP_001107001.1
NCBI GenBank Nucleotide #	NM_001113529.1
UniProt Accession #	P07141
NCBI Official Full Name	macrophage colony-stimulating factor 1 isoform 2
NCBI Official Synonym Full Names	colony stimulating factor 1 (macrophage)
NCBI Official Symbol	Csf1
NCBI Official Synonym Symbols	op; Csfm; MCSF; C87615
NCBI Protein Information	macrophage colony-stimulating factor 1
UniProt Protein Name	Macrophage colony-stimulating factor 1
UniProt Gene Name	Csf1
UniProt Synonym Gene Names	Csfm; CSF-1; MCSF
UniProt Entry Name	CSF1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-clia-kits/m-csf/318577>