

Mouse M-CSF (Macrophage Colony-Stimulating Factor) ELISA Kit | M-CSF elisa kit

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CATALOG #
AAA248570

REACTIVITY
Mouse

PRODUCT SYNONYMS

M-CSF (Macrophage Colony-Stimulating Factor); Mouse M-CSF (Macrophage Colony-Stimulating Factor) ELISA Kit; M-CSF; MCSF; CSF1; CSF-1; M-CSF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mcpt8. No significant cross-reactivity or interference between Mcpt8 and analogues was observed.
Sequence Length	552
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	7.813-500pg/ml
Sensitivity	4.688pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mcpt8 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mcpt8 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a M-CSF ELISA KIT are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	pg/ml	0	7.812	15.625	31.25	62.5	125	250	500
Y	OD450	0.038	0.05	0.081	0.139	0.32	0.679	1.576	2.557

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for M-CSF elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Mcpt8 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mcpt8 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mcpt8 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mcpt8 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1345843
NCBI GeneID	12977
UniProt Accession #	P07141; Q3U395; Q8R3C8
Molecular Weight	29,353 Da
NCBI Official Full Name	Macrophage colony-stimulating factor 1
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

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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/m-csf-macrophage-colony-stimulating-factor/248570>