

Mouse CSF1R/M-CSFR ELISA Kit | CSF1R elisa kit

Mouse CSF1R/M-CSFR PicoKine ELISA Kit

CATALOG #
AAA45536

REACTIVITY
Mouse

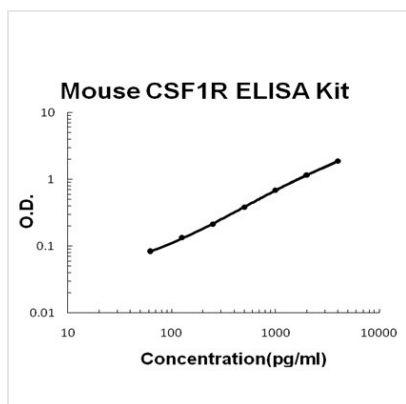
PRODUCT SYNONYMS

CSF1R/M-CSFR; Mouse CSF1R/M-CSFR PicoKine ELISA Kit; Macrophage colony-stimulating factor 1 receptor; colony stimulating factor 1 receptor; C FMS; CD 115; CD115; CD115 antigen; CFMS; Colony stimulating factor 1 receptor; CSF 1 R; CSF 1R; CSF-1 receptor; CSF-1-R; CSF1 R; CSF1R; CSF1R_HUMAN; CSFR; FIM 2; FIM2; FMS; FMS proto oncogene; FMS protooncogene; HDLS; M-CSF Receptor; M-CSF-R; Macrophage colony stimulating factor 1 receptor; Macrophage colony stimulating factor I receptor; McDonough feline sarcoma viral (v fms) oncogene homolog; Oncogen FMS; Proto-oncogene c-Fms; V-FMS McDonough feline sarcoma viral oncogen homolog; formerly; CSF1R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse CSF1R
Sequence Length	977
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse CSF1R/M-CSFR PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CSF1R elisa kit	Principle of the assay: mouse CSF1R ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CSF1R has been precoated onto 96-well plates. Standards(NSO, A20-S511) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CSF1R is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 mouse CSF1R amount of sample captured in plate. Background: CSF1R(Colony stimulating factor 1 receptor),also known as M-CSFR and CD115, is a cell-surface protein encoded, in humans, by the CSF1R gene. The gene is located on long arm of chromosome 5 (5q32) on the Crick (minus) strand. The encoded protein is a tyrosine kinase transmembrane receptor and member of the CSF1/PDGF receptor family of tyrosine-protein kinases. The encoded protein is a single pass type I membrane protein and acts as the receptor for colony stimulating factor 1, a cytokine which controls the production, differentiation, and function of macrophages. Both CSF1R, and its ligand colony stimulating factor 1 play an important role in the development of the mammary gland and may be involved in the process of mammary gland carcinogenesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20532397
NCBI GeneID	12978
UniProt Accession #	P09581; Q3U3P1; Q9DBH9
Molecular Weight	109,179 Da
NCBI Official Full Name	Macrophage colony-stimulating factor 1 receptor
NCBI Official Synonym Full Names	colony stimulating factor 1 receptor
NCBI Official Symbol	Csf1r
NCBI Official Synonym Symbols	Fms; CD115; Csfmr; Fim-2; CSF-1R; M-CSFR; M-CSF-R; AI323359
NCBI Protein Information	macrophage colony-stimulating factor 1 receptor; c-fms; CSF-1-R; CSF-1 receptor; proto-oncogene fms; proto-oncogene c-Fms
UniProt Protein Name	Macrophage colony-stimulating factor 1 receptor
UniProt Gene Name	Csf1r
UniProt Synonym Gene Names	Csfmr; Fms; CSF-1-R; CSF-1R; M-CSF-R
UniProt Entry Name	CSF1R_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.