

CSF1 (Human) ELISA Kit

Catalog # KA0384

Size 1 Kit

Specification

Product Description	CSF1 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human CSF1.
Suitable Sample	Cell Culture Supernatant, Plasma (EDTA, Heparin), Saliva, Serum, Tissue Homogenates and Urine
Sample Volume	100 μ L
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	62.5 to 4000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

Applications

- Quantification

Gene Info — CSF1

Entrez GeneID	1435
Gene Name	CSF1
Gene Alias	MCSF, MGC31930

Gene Description	colony stimulating factor 1 (macrophage)
Omim ID	120420
Gene Ontology	Hyperlink
Gene Summary	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. Four transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000013362 OTTHUMP00000013363 OTTHUMP00000013364 colony stimulating factor 1 macrophage colony stimulating factor

Publication Reference

- [A miR-125b/CSF1-CX3CL1/tumor-associated macrophage recruitment axis controls testicular germ cell tumor growth.](#)

Batool A, Wang YQ, Hao XX, Chen SR, Liu YX.
Cell Death & Disease 2018 Sep; 9(10):962.

Application: Quant, Human, Human macrophages
- [Autocrine CSF-1R signaling drives mesothelioma chemoresistance via AKT activation.](#)

Cioce M, Canino C, Goparaju C, Yang H, Carbone M, Pass HI.
Cell Death & Disease 2014 Apr; 5:e1167.

Application: ELISA, Human, Supernatants collected from MPM cells culture medium
- [Apparent role of the macrophage growth factor, CSF-1, in placental development.](#)

Pollard JW, Bartocci A, Arceci R, Orlofsky A, Ladner MB, Stanley ER.
Nature 1987 Dec; 330(6147):484.

Application: RIA, Quant, Mouse, Mouse uteri
- [Human CSF-1: gene structure and alternative splicing of mRNA precursors.](#)

Ladner MB, Martin GA, Noble JA, Nikoloff DM, Tal R, Kawasaki ES, White TJ.
The EMBO Journal 1987 Sep; 6(9):2693.

Pathway

- [Cytokine-cytokine receptor interaction](#)

- [Hematopoietic cell lineage](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Osteitis Deformans](#)
- [Ovarian Neoplasms](#)
- [Periodontitis](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)