

# CSF1 (Human) ELISA Kit

Catalog # KA0384

Size 1 Kit

## Specification

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

## Applications

- Quantification

## Gene Info — CSF1

|                      |                      |
|----------------------|----------------------|
| <b>Entrez GeneID</b> | <a href="#">1435</a> |
| <b>Gene Name</b>     | CSF1                 |
| <b>Gene Alias</b>    | MCSF, MGC31930       |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Description   | colony stimulating factor 1 (macrophage)                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Omim ID            | <a href="#">120420</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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, Arcesi 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](#)