

## Rat Colony Stimulating Factor 1 ELISA Kit | CSF-1 elisa kit

Rat Colony Stimulating Factor 1 ELISA Kit

CATALOG #  
**AAA86476**

REACTIVITY  
**Rat**

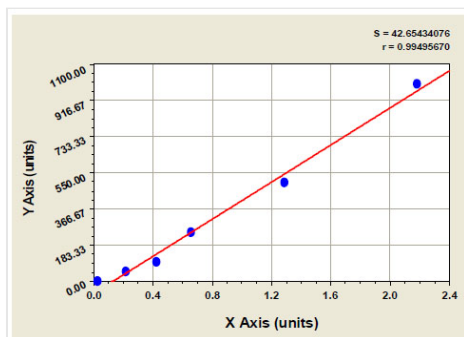
### PRODUCT SYNONYMS

Colony Stimulating Factor 1; Rat Colony Stimulating Factor 1 ELISA Kit; CSF-1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                             |
| Assay Type              | Competitive or Sandwich                                                                                                                                                                |
| Detection Range         | 50-1000 pg/mL                                                                                                                                                                          |
| Sensitivity             | 1.0pg/ml                                                                                                                                                                               |
| Intended Uses           | This CSF-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CSF-1. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                    |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CSF-1 elisa kit

**Principle of the assay:** CSF-1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for CSF-1. Standards or samples are then added to the microtiter plate wells and CSF-1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CSF-1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for CSF-1 are added to each well to "sandwich" the CSF-1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CSF-1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CSF-1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 181135                                             |
| NCBI GeneID                      | 1435                                               |
| Molecular Weight                 | 29,215 Da                                          |
| NCBI Official Full Name          | colony-stimulating factor (CSF-1)                  |
| NCBI Official Synonym Full Names | colony stimulating factor 1 (macrophage)           |
| NCBI Official Symbol             | CSF1                                               |
| NCBI Official Synonym Symbols    | MCSF; CSF-1                                        |
| NCBI Protein Information         | macrophage colony-stimulating factor 1; Ianimostim |
| UniProt Protein Name             | Macrophage colony-stimulating factor 1             |
| UniProt Gene Name                | <b>CSF1</b>                                        |
| UniProt Synonym Gene Names       | CSF-1; M-CSF; MCSF                                 |
| UniProt Entry Name               | CSF1_HUMAN                                         |

**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.