

Datasheet for ABIN6720209  
**CSF1R ELISA Kit**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	1 kit
Target:	CSF1R
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

## Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: C FMS, CD 115, CD115, CD115 antigen, CFMS, Colony stimulating factor 1 receptor, CSF-1 receptor, CSF-1-R, CSF1R_HUMAN, CSFR, FIM2, FMS, FMS proto oncogene, FMS protooncogene, HDLS, M-CSF Receptor, M-CSF-R, Macrophage colony stimulating factor 1 receptor, Macrophage colony-stimulating factor 1 receptor, McDonough feline sarcoma viral (v fms) oncogene homolog, Oncogen FMS, Proto-oncogene c-Fms, V-FMS McDonough feline sarcoma viral oncogen homolog</p> <p>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</p>

## Product Details

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.

Gene Name: CSF1R

Production: Natural and recombinant mouse CSF1R. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: A20-S511

## Target Details

Target:	CSF1R
Alternative Name:	CSF1R - M-CSFR ( <a href="#">CSF1R Products</a> )
Gene ID:	12978
NCBI Accession:	<a href="#">NP_001032948</a>
UniProt:	<a href="#">P09581</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Cell-Cell Junction Organization</a>

## Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL mouse CSF1R standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse CSF1R standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 62.5 pg/mL-4000 pg/mL</p> <p>Other Performance Data: DOE: 2-8° C - 09/11/2018 -20° C - 03/14/2019</p>
Sample Volume:	100 µL

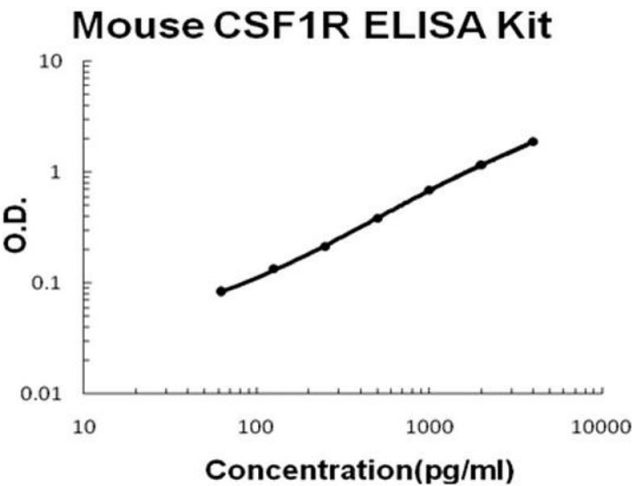
Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

**Image 1.** Mouse CSF1R/M-CSFR Accusignal ELISA Kit

Mouse CSF1R/M-CSFR AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml.

Sensitivity: <10pg/ml.