# antibodies -online.com





# **CSF1R ELISA Kit**





#### Overview

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

#### Product Datails

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:	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
	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.

Gene Name: CSF1R

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

Standard: Expression system for standard: NSO, Immunogen sequence: I20-E512

## **Target Details**

Target:	CSF1R
Alternative Name:	CSF1R - M-CSFR (CSF1R Products)
Gene ID:	1436
NCBI Accession:	NP_001275634
UniProt:	P07333
Pathways:	RTK Signaling, Inositol Metabolic Process, Cell-Cell Junction Organization

### **Application Details**

#### **Application Notes:**

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 human 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 human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human CSF1R standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 62.5pg/mL-4000pg/mL

Sample Volume:

100 μL

Plate:

Pre-coated

# **Application Details**

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**

# Human CSF1R ELISA Kit 0.1 0.01 100 1000 10000

Concentration(pg/ml)

#### **ELISA**

Image 1. Human CSF1R/M-CSFR Accusignal ELISA Kit Human CSF1R/M-CSFR AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <10pg/ml.