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Datasheet for ABIN6720159

CSF3R ELISA Kit

1 Image

Overview

Quantity:	1 kit
Target:	CSF3R
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 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: CD 114, CD114, CD114 antigen, Colony stimulating factor 3 receptor (granulocyte), Colony stimulating factor 3 receptor, CSF 3R, CSF3R, CSF3R_HUMAN, Csfgr, G CSF R, G-CSF receptor, G-CSF-R, GCSFR, Granulocyte colony stimulating factor receptor, Granulocyte colony-stimulating factor receptor, OTTHUMP00000009703, OTTHUMP00000009704, OTTHUMP00000009705</p> <p>Background: The granulocyte colony-stimulating factor receptor (G-CSF-R), also known as CD114 (Cluster of Differentiation 114), is a protein that in humans is encoded by the CSF3R gene. It is mapped to 1p35-p34.3. G-CSF-R is a cell-surface receptor for the granulocyte colony-</p>

Product Details

stimulating factor (G-CSF). And the G-CSF-R is a transmembrane receptor that consists of an extracellular ligand-binding portion, a transmembrane domain, and the cytoplasmic portion that is responsible for signal transduction. In addition, GCSF-R ligand-binding is associated with dimerization of the receptor and signal transduction through proteins including Jak, Lyn, STAT, and Erk1/2.

Gene Name: CSF3R

Production: Natural and recombinant human CSF3R. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.cNSO, Immunogen sequence: E25-P621

Target Details

Target: CSF3R

Alternative Name: CSF3R - G-CSF R ([CSF3R Products](#))

Gene ID: 1441

NCBI Accession: [NP_000751](#)

UniProt: [Q99062](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL human CSF3R 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 and plasma (heparin, EDTA) to each empty well. It is recommended that each human CSF3R standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 31.2pg/mL-2000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

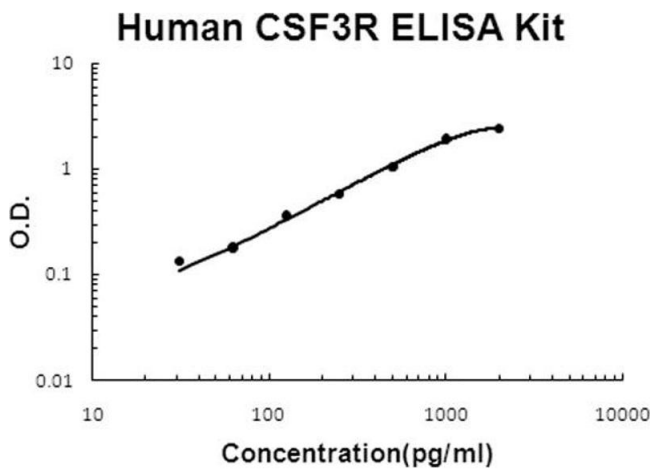
Restrictions: For Research Use only

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. Human CSF3R/G-CSF R Accusignal ELISA Kit
Human CSF3R/G-CSF R Accusignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml.
Sensitivity: <10pg/ml.