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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for KOA0452

Human CSF3R - G-CSF R ELISA Kit

Overview

Description:	Human CSF3R/G-CSF R AccuSignal ELISA Kit - KOA0452
Item No.:	KOA0452
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

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-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, andErk1/2.
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
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	CSF3R
Reactivity:	Human
Immunogen:	Expression system for standard: E.cNSO; Immunogen sequence: E25-P621

Purity/Specificity:	Natural and recombinant human CSF3R. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q99062 • NCBI - NP_000751.1 • GeneID - 1441 • KOA0452 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

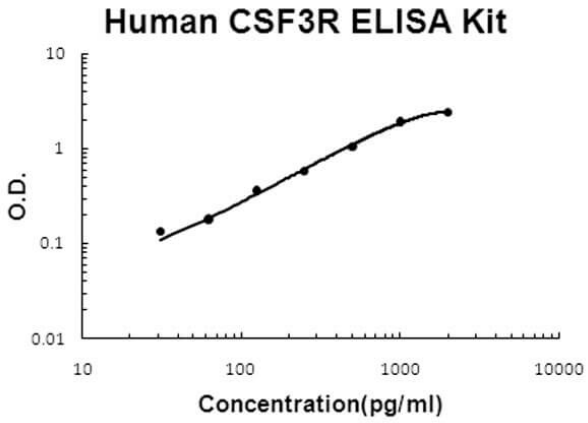
Formulation

Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.
Expiration:	See kit insert for complete instructions.

Images



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

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.