

Datasheet for KOA0283**Human OSM - Oncostatin M ELISA Kit****Overview**

Description:	Human OSM/Oncostatin M AccuSignal ELISA Kit - KOA0283
Item No.:	KOA0283
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

Background:	OSM(Oncostatin M) is a protein that in humans is encoded by the OSM gene. OSM is a pleiotropic cytokine that belongs to the interleukin 6 group of cytokines. The OSM gene is mapped on 22q12.2. Of these cytokines it most closely resembles leukemia inhibitory factor(LIF) in both structure and function. Treatment with recombinant OSM leads to the inhibition of proliferation and changes in cellular morphology of a number of tumor cell lines derived from a wide variety of tissue types. OSM signals through cell surface receptors that contain the protein gp130. The type I receptor is composed of gp130 and LIFR, the type II receptor is composed of gp130 and OSMR.
Synonyms:	MGC20461, ONCM_HUMAN, Oncostatin M precursor, Oncostatin-M, OncostatinM, OSM, OTTMUSP00000005249, RP23-453B22.1
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	OSM
Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: A26R-220
Purity/Specificity:	Natural and recombinant human OSM. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:	• UniProtKB - P13725 • NCBI - NP_001306037.1 • GeneID - 5008 • KOA0283 Protocol
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Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml human OSM 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 or plasma(heparin, EDTA) to each empty well. It is recommended that each human OSM 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.
Other:	DOE: 2-8° C - 05/28/19 -20° C - 11/28/19

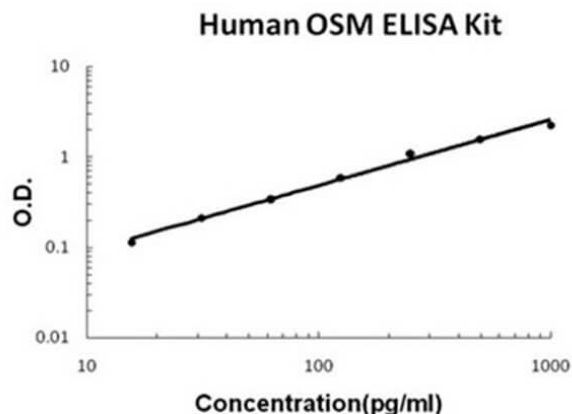
Formulation

Concentration:	1 kit
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 OSM/Oncostatin M AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/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.