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Datasheet for ABIN6719762

Oncostatin M ELISA Kit

1 Image

Overview

Quantity:	1 kit
Target:	Oncostatin M (OSM)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 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: MGC20461, ONCM_HUMAN, Oncostatin M precursor, Oncostatin-M, OncostatinM, OSM, OTTMUSP00000005249, RP23-453B22.1</p> <p>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</p>

Product Details

contain the protein gp130. The type I receptor is composed of gp130 and LIFR, the type II receptor is composed of gp130 and OSMR.

Gene Name: OSM

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

Standard: Expression system for standard: E.coli, Immunogen sequence: A26R-220

Target Details

Target:	Oncostatin M (OSM)
Alternative Name:	OSM - Oncostatin M (OSM Products)
Gene ID:	5008
NCBI Accession:	NP_001306037
UniProt:	P13725
Pathways:	JAK-STAT Signaling , Negative Regulation of Hormone Secretion

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL 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 0.1 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 OSM standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 15.6pg/mL-1000pg/mL</p>
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Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

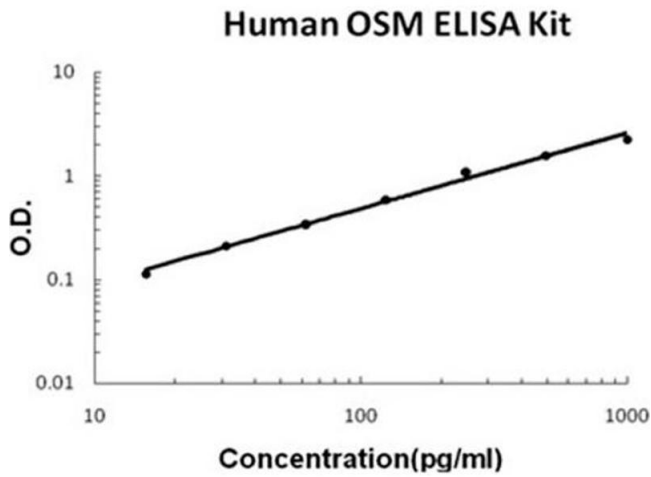
Handling

Storage:	RT,4 °C,-20 °C
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Handling

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 OSM/Oncostatin M Accusignal ELISA Kit
Human OSM/Oncostatin M AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml.
Sensitivity: <10pg/ml.