OSM ELISA Kit for Rat

PRODUCT OVERVIEW

Product Name	OSM, ELISA Kit
Full Product Name	Rat OSM ELISA Kit
Product Gene Name	OSM elisa kit
Species Reactivity	Rat
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	28,484 Da
OMIM	165095
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for OSM elisa kit	MBS262294 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the OSM, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing OSM. The ELISA analytical biochemical technique of the MBS262294 kit is based on OSM antibody-OSM antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect OSM antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, OSM. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of OSM elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OSM. It may not necessarily be applicable to this product.

NCBI GI #	10092621
NCBI GeneID	5008
NCBI Accession #	NP_065391.1
UniProt Secondary Accession #	Q6FHP8; Q9UCP6
UniProt Related Accession #	P13725
GenBank Nucleotide #	NM_020530.4
NCBI Official Full Name	oncostatin-M preproprotein
NCBI Official Synonym Full Names	oncostatin M
NCBI Official Symbol	OSM
UniProt Protein Name	Oncostatin-M
Protein Family	Oncostatin
UniProt Gene Name	OSM
UniProt Synonym Gene Names	OSM
UniProt Entry Name	ONCM_HUMAN

NCBI Protein Information	oncostatin-M
NCBI Summary for OSM	Oncostatin M is a member of a cytokine family that includes leukemia-inhibitory factor, granulocyte colony-stimulating factor, and interleukin 6. This gene encodes a growth regulator which inhibits the proliferation of a number of tumor cell lines. It regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells. [provided by RefSeq, Jul 2008]
UniProt Comments for OSM	OSM: Growth regulator. Inhibits the proliferation of a number of tumor cell lines. Stimulates proliferation of AIDS-KS cells. It regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells. Uses both type I OSM receptor (heterodimers composed of LIPR and IL6ST) and type II OSM receptor (heterodimers composed of OSMR and IL6ST). Involved in the maturation of fetal hepatocytes, thereby promoting liver development and regeneration. Belongs to the LIF/OSM family. Protein type: Secreted; Secreted, signal peptide; Cytokine Chromosomal Location of Human Ortholog: 22q12.2 Cellular Component: extracellular space Molecular Function: growth factor activity; oncostatin-M receptor binding; cytokine activity Biological Process: negative regulation of hormone secretion; multicellular organismal development; tyrosine phosphorylation of Stat3 protein; positive regulation of peptidyl-serine phosphorylation; tyrosine phosphorylation of Stat5 protein; peripheral nervous system development; cell proliferation; negative regulation of cell proliferation; behavioral response to pain; positive regulation of peptidyl-tyrosine phosphorylation; positive regulation of MAPKKK cascade; response to heat; positive regulation of acute inflammatory response; regulation of growth; positive regulation of cell division; negative regulation of meiosis; positive regulation of cell proliferation; tyrosine phosphorylation of Stat1 protein; positive regulation of transcription from RNA polymerase II promoter; immune response
Research Articles on OSM	**1.** Data indicate that pro-inflammatory cytokines such as IL6 or OSM could activate pathways associated with prostate cancer progression and synergize with cell-autonomous oncogenic events to promote aggressive malignancy.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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