Oncostatin M (OSM) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Oncostatin M (OSM), Polyclonal Antibody
Full Product Name	Oncostatin M antibody
Product Gene Name	anti-OSM antibody
Product Synonym Names	Polyclonal Oncostatin M; Anti-Oncostatin M; OSM
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human oncostatin M
Form/Format	Lyophilized from PBS, pH 7.2.
Specificity	Human oncostatin M
Preparation and Storage	Store at -20 degree C until reconstitution. Following reconstitution product may be stored at 4 degree C in the short term. For long term storage aliquot and freeze at -20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	23.9 kDa (predicted detection band MW)
OMIM	165095
3D Structure	ModBase 3D Structure for P13725
Immunogen	Oncostatin M antibody was raised in rabbit using highly pure recombinant human oncostatin M as the immunogen.
Product Categories/Family for anti-OSM antibody	Cytokines & Growth Factors; Purified Polyclonal Antibodies
Applications Tested/Suitable for anti-OSM antibody	ELISA (EIA), Inhibition, Western Blot (WB)
Application Notes for anti-OSM antibody	ELISA: 0.5-2 ug/ml Inhibition: 0.1-0.175 ug/ml WB: 0.1-0.2 ug/ml
Related Product Information for anti-OSM antibody	MBS535900 is an antibody targeting OSM. Also known as Oncostatin M antibody. Reactive in Human oncostatin M. Host: Rabbit. Affinity purified Rabbit polyclonal Oncostatin M antibody
Other Notes	Small volumes of anti-OSM antibody 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 Primary Accession #	P13725
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: Cytokine; Secreted; Secreted, signal peptide 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; tyrosine phosphorylation of Stat5 protein; positive regulation of peptidyl-serine phosphorylation; peripheral nervous system development; negative regulation of cell proliferation; cell proliferation; behavioral response to pain; positive regulation of peptidyl-tyrosine phosphorylation; positive regulation of MAPKKK cascade; positive regulation of acute inflammatory response; response to heat; positive regulation of cell division; regulation of growth; negative regulation of meiosis; positive regulation of cell proliferation; tyrosine phosphorylation of Stat1 protein; immune response; positive regulation of transcription from RNA polymerase II promoter
Research Articles on OSM	**1.** OSM promotes STAT3-dependent intestinal epithelial cell proliferation and wound healing in vitro.
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