

Mouse Osteomodulin, Omd ELISA Kit | Omd elisa kit

Mouse Osteomodulin, Omd Primacu ELISA Kit

CATALOG #
AAA124360

REACTIVITY
Mouse

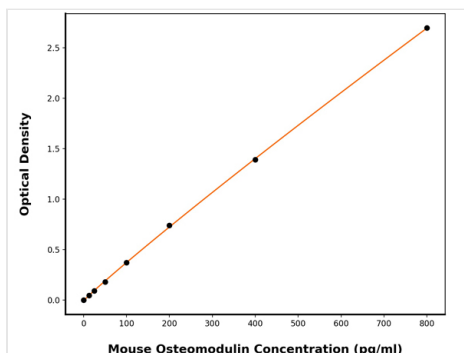
PRODUCT SYNONYMS

Osteomodulin; Omd; Mouse Osteomodulin; Omd Primacu ELISA Kit; Omd elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	12.5-800pg/mL
Sensitivity	2.68pg/mL
Standard Solution	8ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for Omd elisa kit	Osteomodulin (OMD), also known as Osteoadherin (OSAD), Keratan sulfate proteoglycan osteomodulin, KSPG osteomodulin, and SLRR2C, is a secreted protein that belongs to the small leucine-rich proteoglycan (SLRP) family and Class II subfamily. SLRP family proteins are normally found in extracellular matrices, but Osteomodulin is the only member restricted to mineralized tissues. Osteomodulin is primarily expressed by osteoblasts and might have a role in the regulation of mineralization. In bone, OSAD has been localized in the primary spongiosa within the bovine fetal rib growth plate. Moreover, in situ hybridization has shown expression of OSAD in osteoblasts close to the cartilage and bone border in the growth plate of rat femur. OSAD may play an important role during tooth development and biomineralization of dentin. Osteomodulin is a cell binding keratan sulfate proteoglycan that was recently isolated from mineralized bovine bone and subsequently cloned and sequenced. Osteomodulin may be implicated in biomineralization processes. It has a function in the binding of osteoblasts via the alpha (V) beta (3)-integrin. Osteomodulin is likely an osteoblast maturation marker that is induced by osteoclast activity. Osteomodulin is also an early marker for terminally differentiated matrix producing osteoblasts.
Product Categories/Family for Omd elisa kit	Primacu ELISA Kit; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754934
NCBI GeneID	27047
NCBI Accession #	NP_036180.1
NCBI GenBank Nucleotide #	NM_012050.2
UniProt Accession #	O35103
Molecular Weight	49,745 Da
NCBI Official Full Name	osteomodulin
NCBI Official Synonym Full Names	osteomodulin
NCBI Official Symbol	Omd
NCBI Official Synonym Symbols	OSAD; SLRR2C
NCBI Protein Information	osteomodulin; osteoadherin; KSPG osteomodulin; keratan sulfate proteoglycan osteomodulin
UniProt Protein Name	Osteomodulin
UniProt Gene Name	Omd
UniProt Synonym Gene Names	KSPG osteomodulin; OSAD
UniProt Entry Name	OMD_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.