

Human Oncomodulin ELISA Kit | OCM elisa kit

Human Oncomodulin PicoKine ELISA Kit

CATALOG #
AAA46707

REACTIVITY
Human

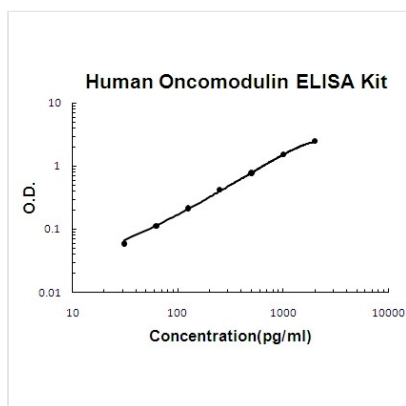
PRODUCT SYNONYMS

Oncomodulin; Human Oncomodulin PicoKine ELISA Kit; Ocm; OCMN; OCM1; OM; onco; Oncomodulin-1; Oncomodulin 1; Parvalbumin beta; P0CE72; oncomodulin; OCM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human Oncomodulin
Sequence Length	109
Samples	Cell culture supernates, serum and plasma(heparin, EDTA).
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice).

IMAGES



Standard Curve (Sample)

Human Oncomodulin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for OCM elisa kit	Principle of the Assay: Human Oncomodulin ELISA Kit was based on standard sandwich enzyme-linked immunosorbent assay technology. A monoclonal antibody from mouse specific for Oncomodulin has been precoated onto 96-well plates. Standards(Expression system for standard: E.coli; Immunogen sequence: S2-S109) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Oncomodulin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human Oncomodulin amount of sample captured in plate. Background/Introduction: Oncomodulin, also known as OCM, is an oncodevelopmental protein found in early embryonic cells in the placenta and also in tumors. The human gene for oncomodulin is located on chromosome 7. It is a parvalbumin- family calcium-binding protein expressed and secreted by macrophages that typically traffic to tissue as an inflammatory response or after injury. Oncomodulin promotes axon regeneration in retinal ganglion cells and maintains functioning in mouse cochlear hair cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	147906122
NCBI GeneID	654231
NCBI Accession #	NP_001091091.1
NCBI GenBank Nucleotide #	NM_001097622.1
UniProt Accession #	P0CE72; P32930; Q6ISI5; Q75MW0; B9EJH7
Molecular Weight	12,184 Da
NCBI Official Full Name	oncomodulin-1
NCBI Official Synonym Full Names	oncomodulin
NCBI Official Symbol	OCM
NCBI Official Synonym Symbols	OM; OCM1; ONCM
NCBI Protein Information	oncomodulin-1
UniProt Protein Name	Oncomodulin-1
UniProt Gene Name	OCM
UniProt Synonym Gene Names	OCM1; OCMN; OM
UniProt Entry Name	ONCO_HUMAN

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.