

Mimecan ELISA Kit | Ogn elisa kit

Mouse Mimecan PicoKine ELISA Kit

CATALOG # AAA124872	REACTIVITY Mouse There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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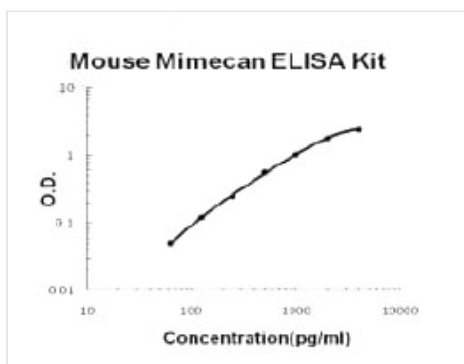
PRODUCT SYNONYMS

Mimecan; Mouse Mimecan PicoKine ELISA Kit; Osteoglycin; Ogn; Og; Ogn elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Mouse Mimecan
Sequence Length	298
Assay Type	Quantitative Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<12pg/ml
Applicable Applications for Ogn elisa kit	ELISA
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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ogn elisa kit	Principle of the Assay: Mouse Mimecan ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for Mimecan has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: A20-F298) and test samples are added to the wells, a biotinylated detection a biotinylated polyclonal antibody from goat specific for Mimecan 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 Mouse Mimecan amount of sample captured in plate. Background: Osteoglycin (also called mimecan) is a protein that in humans is encoded by the OGN gene. This gene encodes a protein which induces ectopic bone formation in conjunction with transforming growth factor beta. This protein is a small proteoglycan which contains tandem leucine-rich repeats (LRR). The level of expression of this gene has been correlated with enlarged hearts and more specifically left ventricular hypertrophy. Mimecan belongs to a family of small leucine-rich proteoglycans (SLRPs). The mimecan gene was expressed at a moderate level in the mouse pituitary gland by Northern blot analysis. Expression of mimecan mRNA and protein is also observed in the human anterior pituitary gland. The OGN gene was mapped to chromosome 9q22.
Product Categories/Family for Ogn elisa kit	Signal Transduction; Cytoskeleton/ECM; Extracellular Matrix; Structures; Bone; Cell Biology; Cell Cycle; cell differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	6679166
NCBI GeneID	18295
NCBI Accession #	NP_032786.1
NCBI GenBank Nucleotide #	NM_008760.4
UniProt Accession #	Q62000
Molecular Weight	34,012 Da
NCBI Official Full Name	mimecan
NCBI Official Synonym Full Names	osteoglycin
NCBI Official Symbol	Ogn
NCBI Official Synonym Symbols	OG; OIF; SLRR3A; mimecan; mimican; 3110079A16Rik
NCBI Protein Information	mimecan
UniProt Protein Name	Mimecan
UniProt Gene Name	Ogn
UniProt Synonym Gene Names	Og

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.

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Online datasheet: <https://stage.aaabiotech.com/ogn-mouse-elisa-kits/mimecan/124872>