

## Mouse Osteoadherin ELISA Kit | OMD elisa kit

Mouse Osteoadherin PicoKine ELISA Kit

CATALOG #  
**AAA125231**

REACTIVITY  
**Mouse**

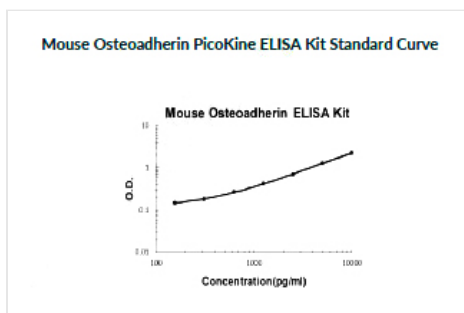
### PRODUCT SYNONYMS

Osteoadherin; Mouse Osteoadherin PicoKine ELISA Kit; Mouse Osteoadherin; Osteomodulin; Keratan sulfate proteoglycan osteomodulin; KSPG osteomodulin; OSAD; Omd; OMD elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                |
| Specificity             | Natural and recombinant Mouse Omd                                                                                                                    |
| Sequence Length         | 423                                                                                                                                                  |
| Samples                 | Cell culture supernates, serum and plasma (heparin, EDTA)                                                                                            |
| Detection Range         | 156pg/ml-10000pg/ml                                                                                                                                  |
| Sensitivity             | <50pg/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 across 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.                                            |

### IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for OMD elisa kit | <p>Principle of the Assay: The Picokine™ Mouse Omd Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Omd with a 96-well strip plate that is pre-coated with antibody specific for Omd. The detection antibody is a biotinylated antibody specific for Omd. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Mouse Omd with immunogen: Expression system for standard: NSO, Immunogen sequence: Q21-I423. The kit is analytically validated with ready to use reagents. To measure Mouse Omd, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Omd in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Omd in the sample.!!Background/Introduction: Osteomodulin (also called osteoadherin or osteoadherin proteoglycan) is a protein that in humans is encoded by the OMD gene. This gene is mapped to 13; 13 A5. Osteoadherin is expressed by fetal and adult osteoblasts but is not detectable in cartilage or tendon. In dental tissue, OSAD is expressed by odontoblasts and ameloblasts and is involved in the mineralization of bone and teeth. OSAD promotes the adhesion of osteoblasts and odontoblasts to the surrounding matrix, an interaction that is mediated by Integrin alpha V beta 3.</p> |
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## NCBI AND UNIPROT INFORMATION

|                                  |                         |
|----------------------------------|-------------------------|
| NCBI GI #                        | 6754934                 |
| NCBI GeneID                      | 27047                   |
| NCBI Accession #                 | NP_036180.1             |
| NCBI GenBank Nucleotide #        | NP_036180.1             |
| UniProt Accession #              | O35103                  |
| 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            |
| UniProt Protein Name             | Osteomodulin            |
| UniProt Gene Name                | <b>Omd</b>              |
| 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.

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Online datasheet: <https://www.aaabiotech.com/omd-mouse-elisa-kits/osteoadherin/125231>