

## Mouse Osteocalcin (OC) DIY ELISA Kit | OC diy elisa kit

Mouse Osteocalcin (OC) ELISA Kit DIY Materials

CATALOG #  
**AAA147610**

REACTIVITY  
**Mouse**

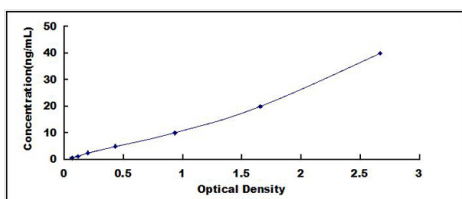
### PRODUCT SYNONYMS

Osteocalcin (OC); Mouse Osteocalcin (OC) ELISA Kit DIY Materials; BGLAP; OT; BGP; Bone Gla Protein; Bone Gamma-Carboxyglutamate Protein; Gamma-carboxyglutamic acid-containing protein; OC diy elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity             | The Abs in the kit have high sensitivity and excellent specificity for detection of Osteocalcin (OC). No significant cross-reactivity or interference between Osteocalcin (OC) and analogues was observed.                                                                                                                                                                                                                                                                                                        |
| Sequence Length         | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Assay Type              | Double-antibody Sandwich ELISA for Antigen Detection                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.                                                                                                                                                                                                                                                                                                                                                                                                             |
| Detection Range         | 0.156-10ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sensitivity             | 0.063ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reagent Contents        | Capture Antibody, Detection Antibody, Standard, Streptavidin-HRP, TMB Substrate, 96-well Plate                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Product Usage           | <ol style="list-style-type: none"> <li>1. Coat the plates with 100μL per well of working solution of Capture Antibody. incubate overnight at 4 degree C or incubate at 37 degree C for 2 hours.</li> <li>2. Aspirate and wash 1 time.</li> <li>3. Block the plates with 200 μL per well of working solution of Blocking Buffer. Incubate at 37 degree C for 1.5 hours.</li> <li>4. Aspirate and wash 1 time. The plates are now ready for sample detection, the protocol is the same as regular ELISA.</li> </ol> |
| Other Reagents Required | ELISA/CLIA Support Pack 1. ( )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Preparation and Storage | Antibodies, Standard and Streptavidin-HRP should be stored at -20 degree C. TMB should be stored at 4 degree C. 96-well Plate could be stored at room temperature. The contents are valid for twelve months. They are stable for one month after opening when stored at 4 degree C.                                                                                                                                                                                                                               |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

Product Categories/Family for OC diy elisa kit

Metabolic pathway; Endocrinology; Hormone metabolism; Bone metabolism

NCBI AND UNIPROT INFORMATION

|                                  |                                     |
|----------------------------------|-------------------------------------|
| NCBI GI #                        | 40316933                            |
| NCBI GeneID                      | 632                                 |
| NCBI Accession #                 | NP_954642.1                         |
| NCBI GenBank Nucleotide #        | NM_199173.5                         |
| UniProt Accession #              | P02818; Q5TCK6                      |
| Molecular Weight                 | 10,963 Da                           |
| NCBI Official Full Name          | osteocalcin preproprotein           |
| NCBI Official Synonym Full Names | bone gamma-carboxyglutamate protein |
| NCBI Official Symbol             | BGLAP                               |
| NCBI Official Synonym Symbols    | OC; BGP; OCN                        |
| NCBI Protein Information         | osteocalcin                         |
| UniProt Protein Name             | Osteocalcin                         |
| UniProt Gene Name                | BGLAP                               |
| UniProt Synonym Gene Names       | BGP                                 |

**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/mouse-diy-elisa-kits/osteocalcin-oc/147610>