

## Mouse bone morphogenetic protein 7 ELISA Kit | BMP7 elisa kit

Mouse Bone morphogenetic protein 7, BMP-7 ELISA Kit

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|------------------------------|----------------------------|
| CATALOG #<br><b>AAA15646</b> | REACTIVITY<br><b>Mouse</b> |
|------------------------------|----------------------------|

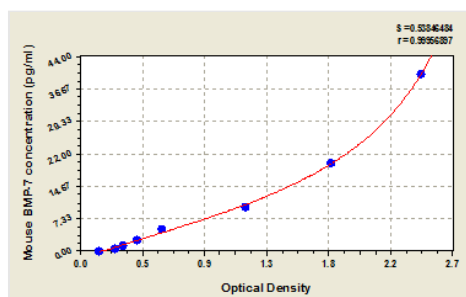
### PRODUCT SYNONYMS

bone morphogenetic protein 7; Mouse Bone morphogenetic protein 7; BMP-7 ELISA Kit; OP-1; osteogenic protein 1; BMP7 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                   |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of mouse BMP-7. No significant cross-reactivity or interference between mouse BMP-7 and analogues was observed. |
| Sequence Length         | 430                                                                                                                                                                                     |
| Samples                 | Serum, plasma, cell culture supernates, tissue homogenates                                                                                                                              |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                   |
| Detection Range         | 0.625 pg/ml-40 pg/ml                                                                                                                                                                    |
| Sensitivity             | < 0.156 pg/ml                                                                                                                                                                           |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                        |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                                 |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                       |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Related Product Information for BMP7 elisa kit | Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for BMP-7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any BMP-7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for BMP-7 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of BMP-7 bound in the initial step. The color development is stopped and the intensity of the color is measured. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 31982487                                           |
| NCBI GeneID                      | 12162                                              |
| NCBI Accession #                 | NP_031583.2                                        |
| NCBI GenBank Nucleotide #        | NM_007557.3                                        |
| UniProt Accession #              | P23359; Q91XF7                                     |
| Molecular Weight                 | 49,199 Da                                          |
| NCBI Official Full Name          | bone morphogenetic protein 7 preproprotein         |
| NCBI Official Synonym Full Names | bone morphogenetic protein 7                       |
| NCBI Official Symbol             | Bmp7                                               |
| NCBI Official Synonym Symbols    | OP1                                                |
| NCBI Protein Information         | bone morphogenetic protein 7; osteogenic protein 1 |
| UniProt Protein Name             | Bone morphogenetic protein 7                       |
| UniProt Gene Name                | Bmp7                                               |
| UniProt Synonym Gene Names       | Bmp-7; Op1; BMP-7; OP-1                            |
| UniProt Entry Name               | BMP7_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://stage.aaabiotech.com/bmp7-mouse-elisa-kits/bone-morphogenetic-protein-7/15646>