

## Mouse BMP-2 ELISA Kit | BMP-2 elisa kit

BMP-2 Mouse ELISA Kit

|                              |                            |                              |
|------------------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA58862</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>ELISA</b> |
|------------------------------|----------------------------|------------------------------|

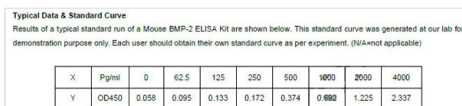
### PRODUCT SYNONYMS

BMP-2; BMP-2 Mouse ELISA Kit; Mouse BMP-2; BMP-2 elisa kit

### PRODUCT SPECIFICATIONS

|                                             |                                                                       |
|---------------------------------------------|-----------------------------------------------------------------------|
| Reactivity                                  | Mouse                                                                 |
| Samples                                     | Serum, plasma, body fluids, tissue lysates or cell culture supernates |
| Assay Type                                  | Quantitative Sandwich                                                 |
| Detection Range                             | 62.5 pg/ml-4000 pg/ml                                                 |
| Sensitivity                                 | < 2 pg/ml                                                             |
| Applicable Applications for BMP-2 elisa kit | ELISA                                                                 |
| Preparation and Storage                     | Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.  |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for BMP-2 elisa kit

**Principle of the Assay:** This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-BMP-2 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-BMP-2 polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 BMP-2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of BMP-2 can be calculated.

**Background/Introduction:** Bone morphogenetic protein 2 (BMP-2) belongs to the TGF-beta superfamily of proteins. Like other family members, it plays an important role in the development of bone and cartilage. It has been demonstrated to potently induce osteoblast differentiation in a variety of cell types. BMP-2 has an ability to induce the formation of ectopic cartilage when implanted subcutaneously.

### NCBI AND UNIPROT INFORMATION

|             |         |
|-------------|---------|
| NCBI GI #   | 6649952 |
| NCBI GeneID | 650     |

|                                  |                                                                     |
|----------------------------------|---------------------------------------------------------------------|
| UniProt Accession #              | <a href="#">P12643</a>                                              |
| Molecular Weight                 | 44,702 Da                                                           |
| NCBI Official Full Name          | bone morphogenetic protein 2                                        |
| NCBI Official Synonym Full Names | bone morphogenetic protein 2                                        |
| NCBI Official Symbol             | BMP2                                                                |
| NCBI Official Synonym Symbols    | BDA2; BMP2A                                                         |
| NCBI Protein Information         | bone morphogenetic protein 2; BMP-2A; bone morphogenetic protein 2A |
| UniProt Protein Name             | Bone morphogenetic protein 2                                        |
| UniProt Gene Name                | <b>BMP2</b>                                                         |
| UniProt Synonym Gene Names       | BMP2A; BMP-2; BMP-2A                                                |
| UniProt Entry Name               | BMP2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/bmp-2/58862>