

## Mouse Bone Morphogenetic Protein 8B ELISA Kit | BMP-8B elisa kit

Mouse Bone Morphogenetic Protein 8B ELISA Kit

CATALOG #  
**AAA100683**

REACTIVITY  
**Mouse**

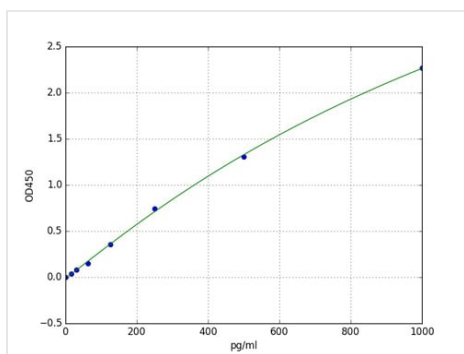
### PRODUCT SYNONYMS

Bone Morphogenetic Protein 8B; Mouse Bone Morphogenetic Protein 8B ELISA Kit; BMP-8B/BMP-8/BMP8BMP-8B/bone morphogenetic protein 8 (osteogenic protein 2)/bone morphogenetic protein 8b/dJ118J21.1 (bone morphogenetic protein 8 (osteogenic protein 2))/MGC131757/OP2/OP-2/Osteogenic protein 2; BMP-8B elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                        |
| Sequence Length         | 402                                                                                                                                                          |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                              |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                         |
| Detection Range         | 15.625-1000pg/ml                                                                                                                                             |
| Sensitivity             | 9.375pg/ml                                                                                                                                                   |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C |

### IMAGES



Standard Curve (Sample)

#### Typical Data & Standard Curve

Results of a typical standard run of a Mouse BMP-8B ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

| X | pg/ml | 0     | 15.6  | 31.2  | 62.5  | 125   | 250   | 500   | 1000  |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Y | OD450 | 0.051 | 0.079 | 0.143 | 0.262 | 0.560 | 0.817 | 1.372 | 1.989 |

Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for BMP-8B elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Mouse BMP-8B antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse BMP-8B 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. HRP-Streptavidin 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 Mouse BMP-8B amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse BMP-8B can be calculated.

NCBI AND UNIPROT INFORMATION

|                                  |                               |
|----------------------------------|-------------------------------|
| NCBI GI #                        | 32250692                      |
| NCBI GeneID                      | 656                           |
| Molecular Weight                 | 39,151 Da                     |
| NCBI Official Full Name          | bone morphogenetic protein 8B |
| NCBI Official Synonym Full Names | bone morphogenetic protein 8b |
| NCBI Official Symbol             | BMP8B                         |
| NCBI Official Synonym Symbols    | OP2; BMP8                     |
| NCBI Protein Information         | bone morphogenetic protein 8B |
| UniProt Protein Name             | Bone morphogenetic protein 8B |
| UniProt Gene Name                | <b>BMP8B</b>                  |
| UniProt Synonym Gene Names       | BMP8; BMP-8; BMP-8B; OP-2     |
| UniProt Entry Name               | BMP8B_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.

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Online datasheet: <https://stage.aaabiotech.com/bmp-8b-mouse-elisa-kits/bone-morphogenetic-protein-8b/100683>