

## Porcine Bone Morphogenetic Protein 15 ELISA Kit | BMP15 elisa kit

Porcine Bone Morphogenetic Protein 15 ELISA Kit

CATALOG #  
**AAA89902**

REACTIVITY  
**Porcine**

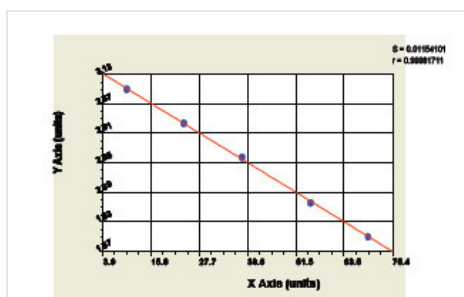
### PRODUCT SYNONYMS

Bone Morphogenetic Protein 15; Porcine Bone Morphogenetic Protein 15 ELISA Kit; BMP15 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Porcine                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                 |
| Assay Type              | Competitive                                                                                                                                                                                |
| Sensitivity             | 0.1 ng/mL.                                                                                                                                                                                 |
| Intended Uses           | This BMP15 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine BMP15. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                        |

### IMAGES



### ADDITIONAL INFORMATION

#### Related Product Information for BMP15 elisa kit

**Principle of the Assay:** BMP15 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BMP15 antibody and an BMP15-HRP conjugate. The assay sample and buffer are incubated together with BMP15-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the BMP15 concentration since BMP15 from samples and BMP15-HRP conjugate compete for the anti-BMP15 antibody binding site. Since the number of sites is limited, as more sites are occupied by BMP15 from the sample, fewer sites are left to bind BMP15-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BMP15 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for BMP15 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------|
| NCBI GI #                        | 257743454                                                                       |
| NCBI GeneID                      | 9210                                                                            |
| NCBI Accession #                 | NP_005439.2                                                                     |
| NCBI GenBank Nucleotide #        | NM_005448.2                                                                     |
| Molecular Weight                 | 45,055 Da                                                                       |
| NCBI Official Full Name          | bone morphogenetic protein 15                                                   |
| NCBI Official Synonym Full Names | bone morphogenetic protein 15                                                   |
| NCBI Official Symbol             | BMP15                                                                           |
| NCBI Official Synonym Symbols    | ODG2; POF4; GDF9B                                                               |
| NCBI Protein Information         | bone morphogenetic protein 15; BMP-15; GDF-9B; growth/differentiation factor 9B |
| UniProt Protein Name             | Bone morphogenetic protein 15                                                   |
| UniProt Gene Name                | <b>BMP15</b>                                                                    |
| UniProt Synonym Gene Names       | GDF9B; BMP-15; GDF-9B                                                           |
| UniProt Entry Name               | BMP15_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/bmp15-porcine-elisa-kits/bone-morphogenetic-protein-15/89902>