

# ELISA Kit for Bone Morphogenetic Protein 2 (BMP2) Catalog No: tcue2265

**Available Sizes** 

**Size:** 96T

Specifications

**Research Area:** Developmental science;Bone metabolism;

**Species Reactivity:** Chicken (Gallus)

**Sample Type:** Serum, plasma, tissue homogenates and other biological fluids.

#### Sensitivity:

The minimum detectable dose of this kit is typically less than 6.3pg/mL

**Detection Range:** 

15.62-1000pg/mL

#### Assay Time:

3h

#### **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

### **Tested Application:**

ELISA

#### SwissProt:

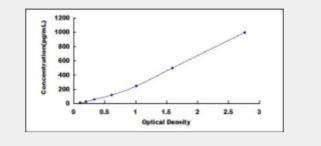
Q90751

## **Test Principle**

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated



with an antibody specific to Bone Morphogenetic Protein 2 (BMP2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Bone Morphogenetic Protein 2 (BMP2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Bone Morphogenetic Protein 2 (BMP2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm  $\pm 10$ nm. The concentration of Bone Morphogenetic Protein 2 (BMP2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



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