

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:

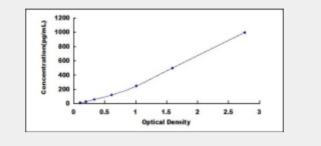
Q90751

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 ± 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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