

# ELISA Kit for Bone Morphogenetic Protein 4 (BMP4)

Catalog No: tcue2270



## Available Sizes

Size: 96T



## Specifications

### Research Area:

Developmental science; Bone metabolism;

### Species Reactivity:

Capra hircus; Caprine (Goat)

### Sample Type:

Serum, plasma, tissue homogenates and other biological fluids.

### Sensitivity:

The minimum detectable dose of this kit is typically less than 12.1pg/mL

### Detection Range:

31.25-2000pg/mL

### Assay Time:

3h

### Detection Method:

Enzyme-linked immunosorbent assay for Antigen Detection.

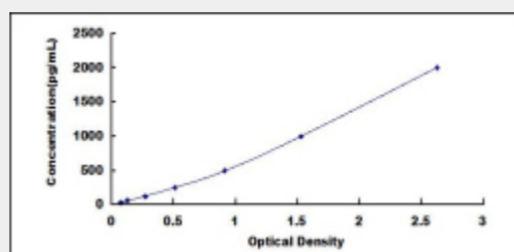
### Tested Application:

ELISA

## 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 4 (BMP4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Bone Morphogenetic Protein 4 (BMP4). 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 4 (BMP4), 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  $450\text{nm} \pm 10\text{nm}$ . The concentration of Bone Morphogenetic Protein 4 (BMP4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!