



## Human Bone Morphogenetic protein 4 ELISA Kit (2 plates)

**Catalogue No.:** BEK-2007-2P

**Description:** The human Bone morphogenetic protein 4 (BMP-4) Kit is a sandwich ELISA. The capture antibody is a monoclonal human BMP-4 antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known BMP-4 concentration are added to these wells and allowed to complex with the bound BMP-4 antibody. A biotinylated human BMP-4 monoclonal antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of BMP-4 present in the samples. The purpose of this kit is the in-vitro quantitative determination of human BMP-4 in samples such as sera, plasma, tissue lysates and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.

**Batch No.:** See product labels

**Other Names:** BMP4; bone morphogenetic protein 4; BMP2B; BMP-2B; BMP2B1; BMP-4;

**Accession:** P12644 BMP4\_HUMAN;

**Specificity:** Human BMP-4

**Storage:** Store at 4°C

**Kit components:** The ELISA kit box contains 2 x 96 pre-coated strip plates, protein standards, detection reagents, substrate buffer and precise instructions.

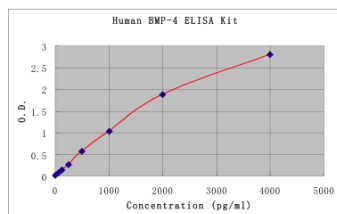
**Range:** 62.5 pg/ml - 4,000 pg/ml

**Sensitivity:** < 4 pg/ml

**Kit protocol:** Please refer to our online product listing for current protocol/MSDS versions.

Typical Human BMP-4 ELISA Kit Standard Curve  
(TMB reaction incubated at 37°C for 18 min)

Concentration (pg/ml)	0.0	62.5	125	250	500	1000	2000	4000	
O.D.		0.017	0.074	0.143	0.263	0.572	1.035	1.877	2.807



This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.

FOR RESEARCH USE ONLY