

## Human Osteoprotegerin ELISA Kit (2 plates)

**Catalogue No.:** BEK-2081-2P

**Description:** The human Osteoprotegerin (OPG) Kit is a sandwich ELISA. The capture antibody is a monoclonal anti-human OPG antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known OPG concentration are added to these wells and allowed to complex with the bound OPG antibody. A biotinylated human OPG polyclonal 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 OPG present in the samples. The purpose of this kit is the in-vitro quantitative determination of human OPG 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:** Osteoclastogenesis inhibitory factor; Tumor necrosis factor receptor superfamily member 11B;

**Accession:** O00300 TR11B\_HUMAN;

**Specificity:** Human OPG

**Storage:** Store at 4°C

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

**Range:** 93.8 pg/ml - 6,000 pg/ml

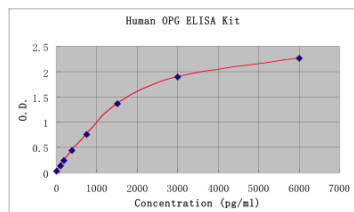
**Sensitivity:** < 5 pg/ml

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

**Typical Human Osteoprotegerin ELISA Kit Standard Curve**  
(TMB reaction incubated at 37°C for 10 min)

Concentration (pg/ml)	0.0	93.8	187.5	375	750	1500	3000	6000
O.D.	0.020	0.134	0.239	0.438	0.759	1.363	1.892	2.259

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



FOR RESEARCH USE ONLY