

Human Osteopontin ELISA Kit (2 plates)

Catalogue No.: BEK-2083-2P

Description: The human Osteopontin (OPN) Kit is a sandwich ELISA. The capture antibody is a monoclonal anti-human OPN antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known OPN concentration are added to these wells and allowed to complex with the bound OPN antibody. A biotinylated human OPN 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 OPN present in the samples. The purpose of this kit is the in-vitro quantitative determination of human OPN 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: Bone sialoprotein 1; Nephropontin; Secreted phosphoprotein 1; SPP-1; Urinary stone protein; Uropontin; SPP1; BNSP; OPN;

Accession: P10451 OSTP_HUMAN;

Specificity: Human OPN

Storage: Store at 2-8C

Specific References: Karamizadeh Z et al. (2013) Investigation of osteopontin levels and genomic variation of osteopontin and its receptors in Type 1 diabetes mellitus. J Endocrinol Invest. 2013 Dec;36(11):1090-3.

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

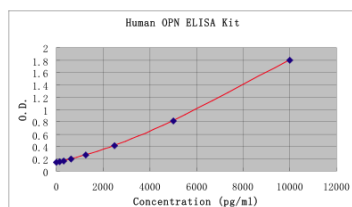
Range: 156 pg/mL - 10,000 pg/mL

Sensitivity: < 10 pg/ml

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

Typical Human OPN ELISA Kit Standard Curve
(TMB reaction incubated at 37°C for 23 min)

Concentration (pg/ml)	0.0	156	313	625	1250	2500	5000	10000
O.D.	0.139	0.147	0.162	0.191	0.256	0.409	0.812	1.792



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

FOR RESEARCH USE ONLY