



## Human P-Cadherin ELISA Kit (2 plates)

**Catalogue No.:** BEK-2157-2P

**Description:** The human P-Cadherin Kit is a sandwich ELISA. The capture antibody is a polyclonal human P-Cadherin antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known P-Cadherin concentration are added to these wells and allowed to complex with the bound P-Cadherin antibody. A biotinylated human P-Cadherin 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 P-Cadherin present in the samples. The purpose of this kit is the in-vitro quantitative determination of human P-Cadherin 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

**Antigen:** Cadherins are transmembrane glycoproteins that mediate calcium ion-dependent cell adhesion. The cadherin family includes N-, P-, R-, B- and E-cadherins which are found in adherens junctions.

**Other Names:** CDH; N-cadherin; Neural Cadherin; Cadherin-2; P-cadherin; R-cadherin; B-cadherin; E-cadherin;

**Accession:** P19022 CADH2\_HUMAN;

**Specificity:** Human P-Cadherin

**Storage:** Store at 2-8C

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

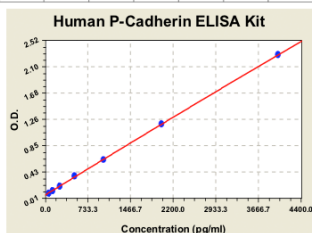
**Range:** 62.5 pg/mL - 4,000 pg/mL

**Sensitivity:** < 2 pg/ml

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

**Typical Human P-Cadherin ELISA Kit Standard Curve**  
(TMB reaction incubate at 37°C for 30 min)

Concentration	0.0pg/ml	62.5pg/ml	125pg/ml	250pg/ml	500pg/ml	1000pg/ml	2000pg/ml	4000pg/ml
O.D.	0.071	0.096	0.139	0.204	0.368	0.627	1.196	2.259



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

FOR RESEARCH USE ONLY