



## Human Epidermal Growth Factor ELISA Kit (2 plates)

**Catalogue No.:** BEK-2009-2P

**Description:** The human Epidermal Growth Factor (EGF) Kit is a sandwich ELISA. The capture antibody is a human EGF antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known EGF concentration are added to these wells and allowed to complex with the bound EGF antibody. A biotinylated human EGF 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 EGF present in the samples. The purpose of this kit is the in-vitro quantitative determination of human EGF 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:** epidermal growth factor (beta-urogastrone); HOMG4; Pro-epidermal growth factor; EGF

**Accession:** P01133 EGF\_HUMAN;

**Specificity:** Human Epidermal Growth Factor

**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:** 4.7 pg/mL - 300 pg/mL

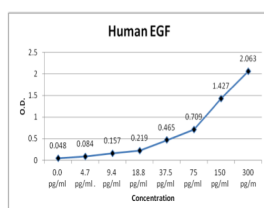
**Sensitivity:** < 1 pg/ml

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

IX: Typical Standard Curve (for reference only, not to be used for actual data)

| Concentration<br>pg/ml | 0.0   | 4.7   | 9.4   | 18.8  | 37.5  | 75    | 150   | 300   |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| O.D.                   | 0.048 | 0.084 | 0.157 | 0.219 | 0.465 | 0.709 | 1.427 | 2.063 |

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



FOR RESEARCH USE ONLY