

## Human Interleukin 1 alpha ELISA Kit (2 Plates)

**Catalogue No.:** BEK-2033-2P

**Description:** The human Interleukin 1 alpha (IL-1 alpha) Kit is a sandwich ELISA. The capture antibody is a monoclonal human IL-1 alpha antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known IL-1 alpha concentration are added to these wells and allowed to complex with the bound IL-1 alpha antibody. A biotinylated human IL-1 alpha 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 IL-1 alpha present in the samples. The purpose of this kit is the in-vitro quantitative determination of human IL-1 alpha 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:** Interleukin-1 alpha; IL-1 alpha; Hematopoietin-1; IL1A; IL1F1; IL-1a;

**Accession:** P01583 IL1A\_HUMAN;

**Specificity:** Human IL-1a

**Storage:** Store at 4°C

**Specific References:** Ahmad M et al. (2017) Comparison of 2 Sample Processing Methods and 9 Commercial Immunoassays for the Detection of Interleukin-1 $\alpha$  in the Serum of Patients with Abdominal Aortic Aneurysm. *Ann Vasc Surg.* pii: S0890-5096(17)31107-X. Application: Human serum.

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

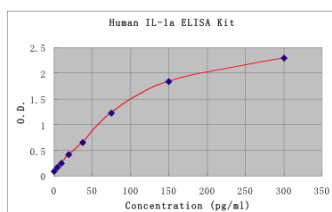
**Range:** 4.7 pg/ml - 300 pg/ml

**Sensitivity:** < 0.5 pg/ml

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

Typical Human IL-1 $\alpha$  ELISA Kit Standard Curve  
(TMB reaction incubated at 37°C for 11 min)

Concentration (pg/ml)	0.0	4.7	9.4	18.8	37.5	75	150	300
O.D.	0.093	0.165	0.245	0.416	0.650	1.229	1.842	2.295



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

FOR RESEARCH USE ONLY