



## Rat Interleukin 1 alpha ELISA Kit (2 plates)

**Catalogue No.:** BEK-2147-2P

**Description:** The rat Interleukin 1 alpha (IL-1 alpha) Kit is a sandwich ELISA. The capture antibody is a polyclonal rat IL-1 alpha antibody pre-coated onto the 96-well strip plates provided in the kit. Rat 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 rat IL-1 alpha 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 IL-1 alpha present in the samples. The purpose of this kit is the in-vitro quantitative determination of rat 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; Il1a; IL-1a; IL-1;

**Accession:** P16598 IL1A\_RAT;

**Specificity:** Rat IL-1a

**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.

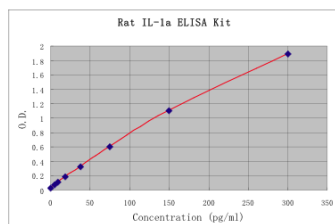
**Range:** 4.69 pg/ml - 300 pg/ml

**Sensitivity:** < 0.5 pg/ml

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

Typical Rat IL-1a ELISA Kit Standard Curve  
(TMB reaction incubated at 37°C for 15 min)

Concentration (pg/ml)	0.0	4.69	9.4	18.8	37.5	75	150	300
O.D.	0.025	0.077	0.112	0.188	0.327	0.606	1.099	1.890



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

FOR RESEARCH USE ONLY