

Rat Interleukin 4 ELISA Kit (2 plates)

Catalogue No.: BEK-2040-2P

Description: The rat Interleukin 4 (IL-4) Kit is a sandwich ELISA. The capture antibody is a monoclonal anti-rat IL-4 antibody pre-coated onto the 96-well strip plates provided in the kit. Rat test samples and standards of known IL-4 concentration are added to these wells and allowed to complex with the bound IL-4 antibody. A biotinylated anti-rat IL-4 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-4 present in the samples. The purpose of this kit is the in-vitro quantitative determination of rat IL-4 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-4; IL-4; B-cell IGG differentiation factor; B-cell growth factor 1; B-cell stimulatory factor 1; BSF-1; Lymphocyte stimulatory factor 1; IL4;

Accession: P20096 IL4_RAT;

Specificity: Rat IL-4

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: 7.8 pg/ml - 500 pg/ml

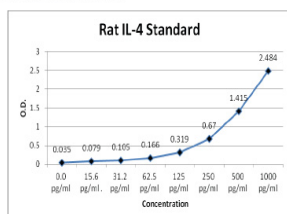
Sensitivity: < 1 pg/ml

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 pg/ml	0.0	15.6	31.2	62.5	125	250	500	1000
O.D.	0.036	0.079	0.105	0.166	0.319	0.670	1.415	2.484

Data obtained after 1200 reactions of 20 minutes @ 37°C



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

FOR RESEARCH USE ONLY