

## Human Interleukin 5 ELISA Kit (2 plates)

**Catalogue No.:** BEK-2169-2P

**Description:** The human Interleukin 5 (IL-5) Kit is a sandwich ELISA. The capture antibody is a monoclonal human IL-5 antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known IL-5 concentration are added to these wells and allowed to complex with the bound IL-5 antibody. A biotinylated human IL-5 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-5 present in the samples. The purpose of this kit is the in-vitro quantitative determination of human IL-5 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:** IL-5; Interleukin-5; IL-5; B-cell differentiation factor I; Eosinophil differentiation factor; T-cell replacing factor; TRF; IL5;

**Accession:** P05113 IL5\_HUMAN;

**Comments:** Standard material made in SF21 insect cells, amino acids 20-134 of human IL-5.

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

**Kit components:** The ELISA kit box contains 1 x 96-well pre-coated strip plate, protein standards, detection reagents, substrate buffer and detailed protocols.

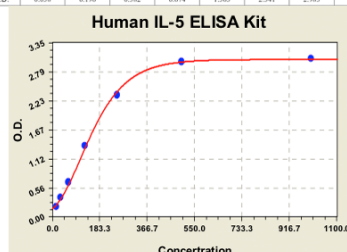
**Range:** 15.6 pg/mL - 1,000 pg/mL

**Sensitivity:** < 2 pg/ml

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

**Typical Human IL-5 ELISA Kit Standard Curve**  
(TMB reaction incubate at 37°C for 10 min)

Concentration	0 pg/ml	15.6 pg/ml	31.3 pg/ml	62.5 pg/ml	125 pg/ml	250 pg/ml	500 pg/ml	1000 pg/ml
O.D.	0.038	0.196	0.382	0.674	1.363	2.341	2.983	3.045



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

FOR RESEARCH USE ONLY