

## Human MIF ELISA Kit (2 plates)

**Catalogue No.:** BEK-2126-2P

**Description:** The human MIF Kit is a sandwich ELISA. The capture antibody is a polyclonal human MIF antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known MIF concentration are added to these wells and allowed to complex with the bound MIF antibody. A biotinylated human MIF 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 MIF present in the samples. The purpose of this kit is the in-vitro quantitative determination of human MIF 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

**Antigen:** Macrophage migration inhibitory factor (MIF) is a pro-inflammatory cytokine. MIF has a role in the regulation of macrophage function in host defense by counteracting the anti-inflammatory effects of glucocorticoids. MIF is associated with the innate immune response to bacterial pathogens.

**Other Names:** MIF; EC 5.3.2.1; Phenylpyruvate tautomerase; Glycosylation-inhibiting factor; GIF; GLIF; MMIF;

**Accession:** P14174 MIF\_HUMAN;

**Specificity:** Human MIF

**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.

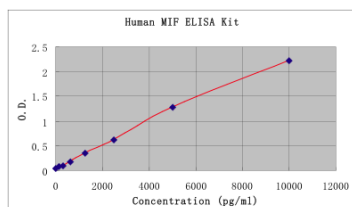
**Range:** 156 pg/ml - 10,000 pg/ml

**Sensitivity:** < 20 pg/ml

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

Typical Human MIF ELISA Kit Standard Curve  
(TMB reaction incubated at 37°C for 14 min)

Concentration (pg/ml)	0.0	156	313	625	1250	2500	5000	10,000
O.D.	0.041	0.075	0.099	0.176	0.348	0.625	1.280	2.219



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

FOR RESEARCH USE ONLY