

## Human MIF ELISA Kit

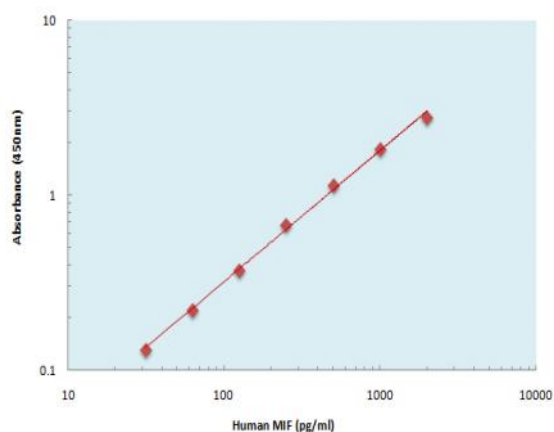
<b>Catalog No :</b>	KE1237
<b>Reactivity :</b>	Human
<b>Applications :</b>	ELISA
<b>Gene Name :</b>	MIF
<b>Protein Name :</b>	Macrophage migration inhibitory factor
<b>Human Gene Id :</b>	4282
<b>Human Swiss Prot No :</b>	P14174
<b>Mouse Swiss Prot No :</b>	P34884
<b>Specificity :</b>	Sample Type for Cell Culture Supernates, Cell lysates, Tissue Lysates, Serum, EDTA Plasma, Heparin Plasma
<b>Storage Stability :</b>	2-8°C/6 months
<b>Detection Method :</b>	Colorimetric
<b>Background :</b>	<p>catalytic activity:Keto-phenylpyruvate = enol-phenylpyruvate.,disease:Genetic variations in MIF are associated with susceptibility to systemic juvenile rheumatoid arthritis [MIM:604302]. Systemic juvenile rheumatoid arthritis is juvenile chronic arthritis associated with severe, debilitating, extraarticular features, and occasionally fatal complications. Despite medical treatment, many children still experience early joint destruction, necessitating surgical replacement.,function:The expression of MIF at sites of inflammation suggest a role for the mediator in regulating the function of macrophage in host defense. Also acts as a phenylpyruvate tautomerase.,similarity:Belongs to the MIF family.,subunit:Homotrimer. Interacts with COPS5 and BNIPL.,</p>
<b>Function :</b>	<p>prostaglandin biosynthetic process, regulation of leukocyte activation, protein complex assembly, fatty acid metabolic process, fatty acid biosynthetic process, unsaturated fatty acid biosynthetic process, icosanoid metabolic process,prostanoid metabolic process, prostaglandin metabolic process, defense response, inflammatory response, immune response, cell surface receptor linked signal transduction, cell proliferation, lipid biosynthetic process, response to</p>

wounding, regulation of cell death, organic acid biosynthetic process, unsaturated fatty acid metabolic process, regulation of apoptosis, regulation of macrophage activation, negative regulation of apoptosis, regulation of programmed cell death, negative regulation of programmed cell death, macromolecular complex subunit organization, innate immune response, carboxylic acid biosynthetic process, icosanoid biosynthetic process, prosta

## Subcellular Location :

Secreted . Cytoplasm . Does not have a cleavable signal sequence and is secreted via a specialized, non-classical pathway. Secreted by macrophages upon stimulation by bacterial lipopolysaccharide (LPS), or by M.tuberculosis antigens. .

## Products Images



The Human MIF ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human MIF proteins within the range of 32-2000 pg/ml.