

Human MIF Antibody Pair Set

Catalog No. E-KAB-0490

Applications

ELISA

Synonyms MIF

Kit components & Storage

Title	Specifications	Storage
Human MIF Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human MIF Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

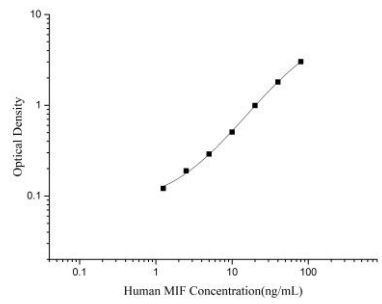
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0490)	
		Human MIF Capture Antibody	Human MIF Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human MIF protien	Recombinant Human MIF protien
	Swissprot	P14174	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Human MIF in ELISAs.	

Applications

Human MIF Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 µg/mL	Human MIF Capture Antibody	 <p>The graph displays a standard curve for the Human MIF Sandwich ELISA Assay. The x-axis represents Human MIF Concentration in ng/mL on a logarithmic scale from 0.1 to 100. The y-axis represents Optical Density on a logarithmic scale from 0.1 to 10. The data points form a smooth, upward-sloping curve, indicating a positive correlation between the concentration of Human MIF and the resulting optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human MIF Concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.1</td> </tr> <tr> <td>2</td> <td>0.2</td> </tr> <tr> <td>5</td> <td>0.5</td> </tr> <tr> <td>10</td> <td>1.0</td> </tr> <tr> <td>20</td> <td>2.0</td> </tr> <tr> <td>50</td> <td>5.0</td> </tr> <tr> <td>100</td> <td>10.0</td> </tr> </tbody> </table>	Human MIF Concentration (ng/mL)	Optical Density	1	0.1	2	0.2	5	0.5	10	1.0	20	2.0	50	5.0	100	10.0
Human MIF Concentration (ng/mL)	Optical Density																		
1	0.1																		
2	0.2																		
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20	2.0																		
50	5.0																		
100	10.0																		
ELISA Detection	1:1000-1:10000	Human MIF Detection Antibody (Biotin)																	

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

Background

This gene encodes a lymphokine involved in cell-mediated immunity, immunoregulation, and inflammation. It plays a role in the regulation of macrophage function in host defense through the suppression of anti-inflammatory effects of glucocorticoids. This lymphokine and the JAB1 protein form a complex in the cytosol near the peripheral plasma membrane, which may indicate an additional role in integrin signaling pathways.