

Human MPIF2 Antibody Pair Set

Catalog No.	E-KAB-0174	Applications	ELISA
Synonyms	CCL24, SCYA24, Ckb-6, Eotaxin-2		

Kit components & Storage

Title	Specifications	Storage
Human MPIF2 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human MPIF2 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

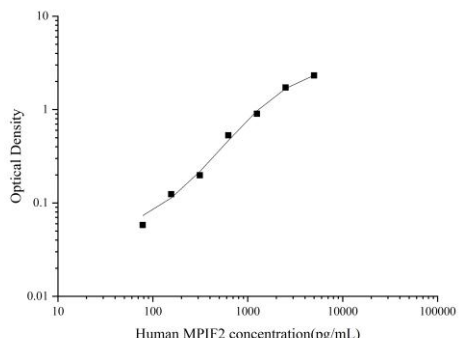
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0174)	
		Human MPIF2 Capture Antibody	Human MPIF2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human MPIF2 protein	Recombinant Human MPIF2 protein
	Swissprot	O00175	
Product details	Reactivity	Human	Human
	Host	Mouse	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A or G	Antigen Affinity
	Specificity	Detects Human MPIF2 in ELISAs.	

Applications

Human MPIF2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4µg/mL	Human MPIF2 Capture Antibody	 <p>The graph is a log-log plot. The x-axis is labeled 'Human MPIF2 concentration(pg/mL)' and ranges from 10 to 100,000. The y-axis is labeled 'Optical Density' and ranges from 0.01 to 10. The data points form a smooth, upward-sloping curve, indicating a positive correlation between the concentration of Human MPIF2 and the optical density measured.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human MPIF2 concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>0.05</td> </tr> <tr> <td>200</td> <td>0.1</td> </tr> <tr> <td>500</td> <td>0.2</td> </tr> <tr> <td>1000</td> <td>0.4</td> </tr> <tr> <td>2000</td> <td>0.8</td> </tr> <tr> <td>5000</td> <td>1.5</td> </tr> <tr> <td>10000</td> <td>2.5</td> </tr> </tbody> </table>	Human MPIF2 concentration (pg/mL)	Optical Density	100	0.05	200	0.1	500	0.2	1000	0.4	2000	0.8	5000	1.5	10000	2.5
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ELISA Detection	1:1000-1:10000	Human MPIF2 Detection Antibody (Biotin)																	

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

Background

This gene belongs to the subfamily of small cytokine CC genes. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity on resting T lymphocytes, a minimal activity on neutrophils, and is negative on monocytes and activated T lymphocytes. The protein is also a strong suppressor of colony formation by a multipotential hematopoietic progenitor cell line.