

Human GCP-2 Antibody Pair Set

Catalog No.	E-KAB-0408	Applications	ELISA
Synonyms	CXCL6;GCP2;SCYB6;CKA-3		

Kit components & Storage

Title	Specifications	Storage
Human GCP-2 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human GCP-2 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

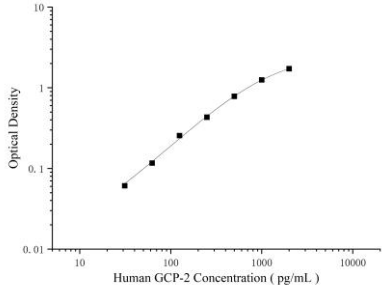
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0408)	
		Human GCP-2 Capture Antibody	Human GCP-2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human GCP-2 protien	Recombinant Human GCP-2 protien
	Swissprot	P80162	
Product details	Reactivity	Human	Human
	Host	Goat	Goat
	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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human GCP-2 in ELISAs.	

Applications

Human GCP-2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4 µg/mL	Human GCP-2 Capture Antibody	 <p>The graph is a log-log plot. The x-axis is labeled 'Human GCP-2 Concentration (pg/mL)' and ranges from 10 to 10000. 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 concentration and optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human GCP-2 Concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>100</td> <td>0.2</td> </tr> <tr> <td>1000</td> <td>0.8</td> </tr> <tr> <td>10000</td> <td>3.0</td> </tr> </tbody> </table>	Human GCP-2 Concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	0.8	10000	3.0
Human GCP-2 Concentration (pg/mL)	Optical Density												
10	0.05												
100	0.2												
1000	0.8												
10000	3.0												
ELISA Detection	1:1000-1:10000	Human GCP-2 Detection Antibody (Biotin)											

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

Background

Chemotactic for neutrophil granulocytes. Signals through binding and activation of its receptors (CXCR1 and CXCR2). In addition to its chemotactic and angiogenic properties, it has strong antibacterial activity against Gram-positive and Gram-negative bacteria (90-fold-higher when compared to CXCL5 and CXCL7).