

Human CXCL5 Antibody Pair Set

Catalog No.	E-KAB-0262	Applications	ELISA
Synonyms	CXCL5, SCYB5		

Kit components & Storage

Title	Specifications	Storage
Human CXCL5 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human CXCL5 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

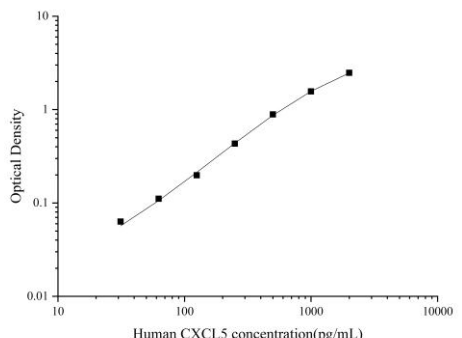
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0262)	
		Human CXCL5 Capture Antibody	Human CXCL5 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human CXCL5 protein	Recombinant Human CXCL5 protein
	Swissprot	P42830	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	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	Protein A
	Specificity	Detects Human CXCL5 in ELISAs.	

Applications

Human CXCL5 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4µg/mL	Human CXCL5 Capture Antibody	 <p>The graph displays a standard curve for the Human CXCL5 Sandwich ELISA Assay. The y-axis represents Optical Density on a logarithmic scale from 0.01 to 10. The x-axis represents Human CXCL5 concentration in pg/mL on a logarithmic scale from 10 to 10000. Six data points are plotted, showing a clear positive correlation between concentration and optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human CXCL5 concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>0.05</td> </tr> <tr> <td>50</td> <td>0.1</td> </tr> <tr> <td>100</td> <td>0.2</td> </tr> <tr> <td>200</td> <td>0.4</td> </tr> <tr> <td>500</td> <td>0.8</td> </tr> <tr> <td>1000</td> <td>1.5</td> </tr> </tbody> </table>	Human CXCL5 concentration (pg/mL)	Optical Density	20	0.05	50	0.1	100	0.2	200	0.4	500	0.8	1000	1.5
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ELISA Detection	1:1000-1:10000	Human CXCL5 Detection Antibody (Biotin)															

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

Background

CXCL5 (C-X-C Motif Chemokine Ligand 5) is a Protein Coding gene. Diseases associated with CXCL5 include Pediatric Ulcerative Colitis and Acute Cervicitis. Among its related pathways are Peptide ligand-binding receptors and Chemokine Superfamily Pathway: Human/Mouse Ligand-Receptor Interactions. GO annotations related to this gene include chemokine activity and CXCR chemokine receptor binding. An important paralog of this gene is CXCL6. This gene encodes a protein that is a member of the CXC subfamily of chemokines. Chemokines, which recruit and activate leukocytes, are classified by function (inflammatory or homeostatic) or by structure. This protein is proposed to bind the G-protein coupled receptor chemokine (C-X-C motif) receptor 2 to recruit neutrophils, to promote angiogenesis and to remodel connective tissues. This protein is thought to play a role in cancer cell proliferation, migration, and invasion.