

Human CXCL16 Antibody Pair Set

Catalog No.	E-KAB-0541	Applications	ELISA
Synonyms	SCYB16;SR-PSOX;CXCLG16		

Kit components & Storage

Title	Specifications	Storage
Human CXCL16 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human CXCL16 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

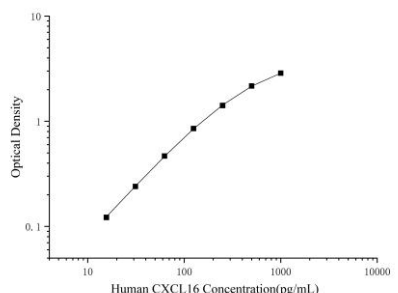
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0541)	
		Human CXCL16 Capture Antibody	Human CXCL16 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human CXCL16 protien	Recombinant Human CXCL16 protien
	Swissprot	Q9H2A7	
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 CXCL16 in ELISAs.	

Applications

Human CXCL16 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 µg/mL	Human CXCL16 Capture Antibody	 <p>The graph is a standard curve for the Human CXCL16 Sandwich ELISA Assay. The x-axis represents Human CXCL16 Concentration in pg/mL on a logarithmic scale from 10 to 10000. The y-axis represents Optical Density on a logarithmic scale from 0.1 to 10. The data points show a clear upward trend, indicating that as the concentration of Human CXCL16 increases, the optical density also increases.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human CXCL16 Concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.15</td> </tr> <tr> <td>20</td> <td>0.25</td> </tr> <tr> <td>50</td> <td>0.5</td> </tr> <tr> <td>100</td> <td>0.8</td> </tr> <tr> <td>200</td> <td>1.2</td> </tr> <tr> <td>500</td> <td>2.0</td> </tr> <tr> <td>1000</td> <td>3.0</td> </tr> </tbody> </table>	Human CXCL16 Concentration (pg/mL)	Optical Density	10	0.15	20	0.25	50	0.5	100	0.8	200	1.2	500	2.0	1000	3.0
Human CXCL16 Concentration (pg/mL)	Optical Density																		
10	0.15																		
20	0.25																		
50	0.5																		
100	0.8																		
200	1.2																		
500	2.0																		
1000	3.0																		
ELISA Detection	1:1000-1:10000	Human CXCL16 Detection Antibody (Biotin)																	

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

Background

Acts as a scavenger receptor on macrophages, which specifically binds to OxLDL (oxidized low density lipoprotein), suggesting that it may be involved in pathophysiology such as atherogenesis. Induces a strong chemotactic response. Induces calcium mobilization. Binds to CXCR6/Bonzo.