

Human SELP Antibody Pair Set

Catalog No.	E-KAB-0005	Applications	ELISA
Synonyms	CD62, CD62P, GMP140, GRMP, LECAM3, PADGEM, PSEL		

Kit components & Storage

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

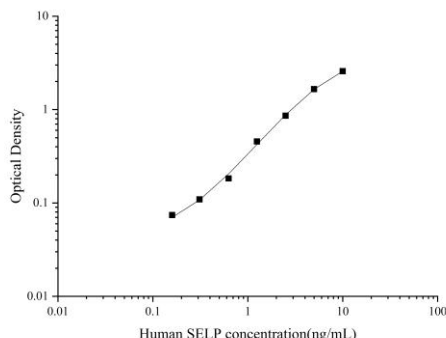
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0005)	
		Human SELP Capture Antibody	Human SELP Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human SELP protein	Recombinant Human SELP protein
	Swissprot	P16109	
Product details	Reactivity	Human	Human
	Host	Sheep	Sheep
	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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human SELP in ELISAs.	

Applications

Human SELP Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4µg/mL	Human SELP Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Human SELP concentration (ng/mL). The x-axis ranges from 0.01 to 100 ng/mL, and the y-axis ranges from 0.01 to 10. The data points form a straight line with a positive slope, indicating a linear relationship between the log of concentration and the log of optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human SELP concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>0.1</td> <td>0.08</td> </tr> <tr> <td>0.2</td> <td>0.12</td> </tr> <tr> <td>0.5</td> <td>0.2</td> </tr> <tr> <td>1</td> <td>0.35</td> </tr> <tr> <td>2</td> <td>0.6</td> </tr> <tr> <td>5</td> <td>1.2</td> </tr> <tr> <td>10</td> <td>2.0</td> </tr> </tbody> </table>	Human SELP concentration (ng/mL)	Optical Density	0.1	0.08	0.2	0.12	0.5	0.2	1	0.35	2	0.6	5	1.2	10	2.0
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ELISA Detection	1:1000-1:10000	Human SELP Detection Antibody (Biotin)																	

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

Background

P-selectin, also known as GMP140 or CD62P, is a transmembrane glycoprotein that mediates the interaction of activated endothelial cells or platelets with leukocytes. It is an adhesion molecule involved in the pathogenesis of inflammation, thrombosis, and oncogenesis. P-selectin is stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. Upon cell activation by agonists, P-selectin is transported rapidly to the cell surface.