

## Mouse SELP Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0302	<b>Applications</b>	ELISA
<b>Synonyms</b>	CD62, CD62P, GMP140, GRMP, LECAM3, PADGEM, PSEL		

### Kit components & Storage

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

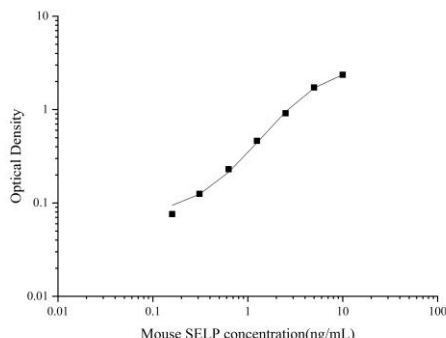
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0302)	
		Mouse SELP Capture Antibody	Mouse SELP Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse SELP protein	Recombinant Mouse SELP protein
	Swissprot	Q01102	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse SELP in ELISAs.	

## Applications

Mouse SELP Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4µg/mL	Mouse SELP Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Mouse 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 show a clear upward trend, indicating that as the concentration of Mouse SELP increases, the optical density also increases. The curve is approximately linear on this log-log scale, suggesting a power-law relationship between the two variables.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse 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>0.25</td> </tr> <tr> <td>1</td> <td>0.4</td> </tr> <tr> <td>2</td> <td>0.7</td> </tr> <tr> <td>5</td> <td>1.5</td> </tr> <tr> <td>10</td> <td>2.5</td> </tr> </tbody> </table>	Mouse SELP concentration (ng/mL)	Optical Density	0.1	0.08	0.2	0.12	0.5	0.25	1	0.4	2	0.7	5	1.5	10	2.5
Mouse SELP concentration (ng/mL)	Optical Density																		
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ELISA Detection	1:1000-1:10000	Mouse SELP Detection Antibody (Biotin)																	

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

## Background

This gene encodes a 140 kDa protein that is stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. This protein redistributes to the plasma membrane during platelet activation and degranulation and mediates the interaction of activated endothelial cells or platelets with leukocytes. The membrane protein is a calcium-dependent receptor that binds to sialylated forms of Lewis blood group carbohydrate antigens on neutrophils and monocytes. Alternative splice variants may occur but are not well documented.