

## Human SELE Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0064	<b>Applications</b>	ELISA
<b>Synonyms</b>	CD62E, ELAM, ELAM1, ESEL, LECAM2		

### Kit components & Storage

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

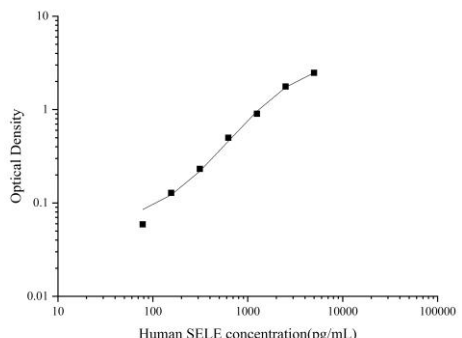
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0064)	
		Human SELE Capture Antibody	Human SELE Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human SELE protein	Recombinant Human SELE protein
	Swissprot	P16581	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rabbit
	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 & Antigen Affinity	Protein A & Antigen Affinity
	Specificity	Detects Human SELE in ELISAs.	

## Applications

### Human SELE Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4µg/mL	Human SELE Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Human SELE concentration (pg/mL). The x-axis ranges from 10 to 100,000 pg/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 Human SELE 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>Human SELE concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>0.05</td> </tr> <tr> <td>200</td> <td>0.1</td> </tr> <tr> <td>500</td> <td>0.25</td> </tr> <tr> <td>1000</td> <td>0.5</td> </tr> <tr> <td>2000</td> <td>1.0</td> </tr> <tr> <td>5000</td> <td>2.5</td> </tr> <tr> <td>10000</td> <td>5.0</td> </tr> </tbody> </table>	Human SELE concentration (pg/mL)	Optical Density	100	0.05	200	0.1	500	0.25	1000	0.5	2000	1.0	5000	2.5	10000	5.0
Human SELE concentration (pg/mL)	Optical Density																		
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ELISA Detection	1:1000-1:10000	Human SELE Detection Antibody (Biotin)																	

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

## Background

The protein encoded by this gene is found in cytokine-stimulated endothelial cells and is thought to be responsible for the accumulation of blood leukocytes at sites of inflammation by mediating the adhesion of cells to the vascular lining. It exhibits structural features such as the presence of lectin- and EGF-like domains followed by short consensus repeat (SCR) domains that contain 6 conserved cysteine residues. These proteins are part of the selectin family of cell adhesion molecules. Adhesion molecules participate in the interaction between leukocytes and the endothelium and appear to be involved in the pathogenesis of atherosclerosis.