

Rat SELE Antibody Pair Set

Catalog No.	E-KAB-0371	Applications	ELISA
Synonyms	CD62E, ELAM, ELAM1, ESEL, LECAM2		

Kit components & Storage

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

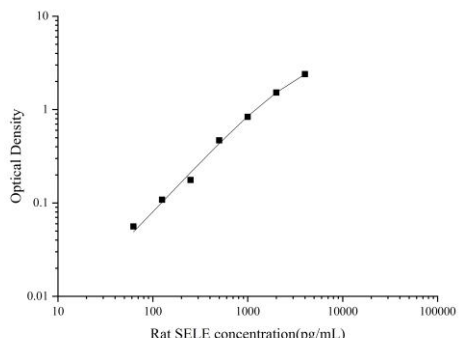
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0371)	
		Rat SELE Capture Antibody	Rat SELE Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Rat SELE protein	Recombinant Rat SELE protein
	Swissprot	P98105	
Product details	Reactivity	Rat	Rat
	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 Rat SELE in ELISAs.	

Applications

Rat SELE Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4µg/mL	Rat SELE Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Rat SELE concentration (pg/mL). The y-axis (Optical Density) ranges from 0.01 to 10, and the x-axis (Rat SELE concentration) ranges from 10 to 100,000. Six data points are plotted, showing a clear upward trend that is approximately linear on this scale.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Rat SELE concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>50</td> <td>0.05</td> </tr> <tr> <td>100</td> <td>0.1</td> </tr> <tr> <td>200</td> <td>0.2</td> </tr> <tr> <td>500</td> <td>0.5</td> </tr> <tr> <td>1000</td> <td>1.0</td> </tr> <tr> <td>2000</td> <td>2.0</td> </tr> </tbody> </table>	Rat SELE concentration (pg/mL)	Optical Density	50	0.05	100	0.1	200	0.2	500	0.5	1000	1.0	2000	2.0
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ELISA Detection	1:1000-1:10000	Rat SELE Detection Antibody (Biotin)															

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

Background

E-selectin, also known as ELAM-1 or CD62E, is a member of the selectin family of adhesion molecules that also include L-selectin and P-selectin. E-selectin is an inducible endothelial cell surface molecule. Its expression on endothelial cells is transcriptionally upregulated by various proinflammatory substances such as IL-1, TNF α and lipopolysaccharide (LPS). Besides, it can be secreted by endothelial cells, and can be detected in a soluble form (sE-selectin) in serum. During inflammation, E-selectin plays an important part in recruiting leukocytes to the site of injury.