

Mouse ESM1 Antibody Pair Set

Catalog No.	E-KAB-0320	Applications	ELISA
Synonyms	ESM1, endocan, endothelial cell specific molecule 1		

Kit components & Storage

Title	Specifications	Storage
Mouse ESM1 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Mouse ESM1 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

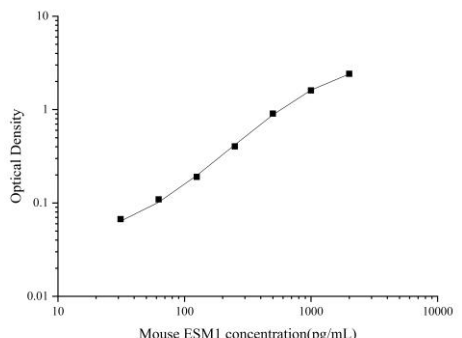
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0320)	
		Mouse ESM1 Capture Antibody	Mouse ESM1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse ESM1 protein	Recombinant Mouse ESM1 protein
	Swissprot	Q9QYY7	
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 ESM1 in ELISAs.	

Applications

Mouse ESM1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4µg/mL	Mouse ESM1 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Mouse ESM1 concentration (pg/mL). The y-axis (Optical Density) ranges from 0.01 to 10, and the x-axis (Mouse ESM1 concentration) ranges from 10 to 10000. The data points show a clear upward trend, indicating a positive correlation between the concentration of Mouse ESM1 and the resulting optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse ESM1 concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>100</td> <td>0.2</td> </tr> <tr> <td>1000</td> <td>1.0</td> </tr> <tr> <td>10000</td> <td>5.0</td> </tr> </tbody> </table>	Mouse ESM1 concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	1.0	10000	5.0
Mouse ESM1 concentration (pg/mL)	Optical Density												
10	0.05												
100	0.2												
1000	1.0												
10000	5.0												
ELISA Detection	1:1000-1:10000	Mouse ESM1 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 secreted protein which is mainly expressed in the endothelial cells in human lung and kidney tissues. The expression of this gene is regulated by cytokines, suggesting that it may play a role in endothelium-dependent pathological disorders. The transcript contains multiple polyadenylation and mRNA instability signals. Two transcript variants encoding different isoforms have been found for this gene.