

Human ESM1 Antibody Pair Set

Catalog No.	E-KAB-0165	Applications	ELISA
Synonyms	endocan, Endothelial cell-specific molecule 1		

Kit components & Storage

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

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

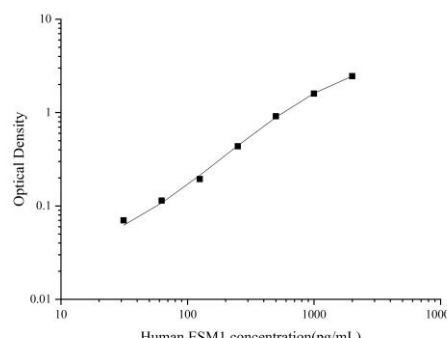
Product Information

Items		Characteristic (E-KAB-0165)	
		Human ESM1 Capture Antibody	Human ESM1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human ESM1 protein	Recombinant Human ESM1 protein
	Swissprot	Q9NQ30	
Product details	Reactivity	Human	Human
	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 Human ESM1 in ELISAs.	

For Research Use Only

Applications

Human ESM1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																		
ELISA Capture	0.5-4μg/mL	Human ESM1 Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human ESM1 concentration (pg/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>10</td><td>0.05</td></tr><tr><td>20</td><td>0.1</td></tr><tr><td>50</td><td>0.2</td></tr><tr><td>100</td><td>0.4</td></tr><tr><td>200</td><td>0.8</td></tr><tr><td>500</td><td>1.5</td></tr><tr><td>1000</td><td>2.5</td></tr><tr><td>2000</td><td>4.0</td></tr></tbody></table>	Human ESM1 concentration (pg/mL)	Optical Density	10	0.05	20	0.1	50	0.2	100	0.4	200	0.8	500	1.5	1000	2.5	2000	4.0
Human ESM1 concentration (pg/mL)	Optical Density																				
10	0.05																				
20	0.1																				
50	0.2																				
100	0.4																				
200	0.8																				
500	1.5																				
1000	2.5																				
2000	4.0																				
ELISA Detection	1:1000-1:10000	Human 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.

For Research Use Only