Mouse E-Selectin ELISA kit

Product Code	CSB-E04541m
Abbreviation	SELE
Protein Biological Process 1	Cell Adhesion
Target Name	selectin E
Uniprot No.	Q00690
Alias	RP1-117P20.2, CD62E, ELAM, ELAM1, ESEL, LECAM2, endothelial adhesion molecule 1|leukocyte endothelial cell adhesion molecule 2
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Cell adhesion
Sample Types	serum, plasma, tissue homogenates
Detection Range	78 pg/mL-5000 pg/mL
Sensitivity	19.5 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Immunology
Gene Names	Sele
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse SELE ELISA Kit was designed for the quantitative measurement of Mouse SELE protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 78 pg/mL-5000 pg/mL and the sensitivity is 19.5 pg/mL.
Target Details	This protein 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.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of mouse E-Selectin in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	93
	Range %	90-96
1:2	Average %	85
	Range %	81-90
1:4	Average %	104
	Range %	100-108
1:8	Average %	86
	Range %	82-90

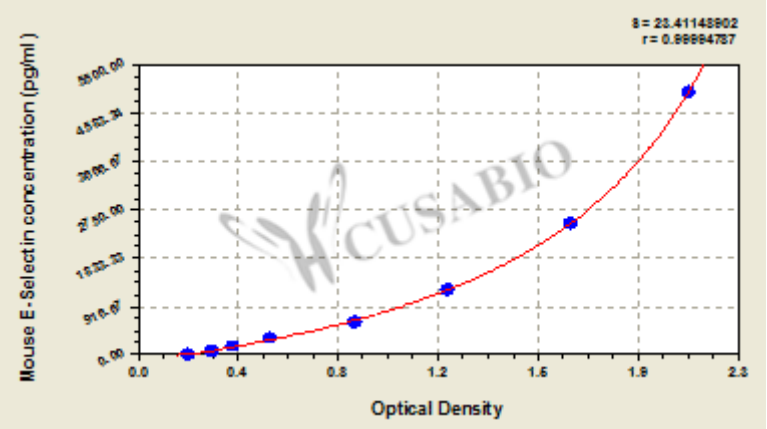
Recovery

The recovery of mouse E-Selectin spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	102	98-106
EDTA plasma (n=4)	89	85-94

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
5000	2.076	2.131	2.104	1.907
2500	1.671	1.638	1.655	1.458
1250	1.168	1.201	1.185	0.988
625	0.829	0.831	0.830	0.633
312	0.505	0.511	0.508	0.311
156	0.365	0.372	0.369	0.172
78	0.285	0.289	0.287	0.090
0	0.195	0.199	0.197	?

Msds

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