



# Human L-Selectin ELISA kit

<b>Product Code</b>	CSB-E04653h
<b>Abbreviation</b>	SELL
<b>Protein Biological Process 1</b>	Cell Adhesion
<b>Target Name</b>	selectin L
<b>Uniprot No.</b>	P14151
<b>Alias</b>	CD62L, LAM1, LECAM1, LEU8, LNHR, LSEL, LYAM1, PLNHR, TQ1, CD62 antigen-like family member L gp90-MEL leukocyte surface antigen Leu-8 leukocyte-endothelial cell adhesion molecule 1 lymph node homing
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Protein Biological Process 3</b>	Cell adhesion
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	0.78 ng/mL-50 ng/mL
<b>Sensitivity</b>	0.195 ng/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Stem Cells
<b>Gene Names</b>	SELL
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Human SELL ELISA Kit was designed for the quantitative measurement of Human SELL protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.78 ng/mL-50 ng/mL and the sensitivity is 0.195 ng/mL.
<b>Target Details</b>	This gene encodes a cell surface adhesion molecule that belongs to a family of adhesion/homing receptors. The encoded protein contains a C-type lectin-like domain, a calcium-binding epidermal growth factor-like domain, and two short complement-like repeats. The gene product is required for binding and subsequent rolling of leucocytes on endothelial cells, facilitating their migration into secondary lymphoid organs and inflammation sites. Single-nucleotide



polymorphisms in this gene have been associated with various diseases including immunoglobulin A nephropathy. Alternatively spliced transcript variants have been found for this gene.

### 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 human L-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)
	Average %	90
1:5	Range %	84-95
	Average %	92
1:10	Range %	87-96
	Average %	95
1:20	Range %	90-102
	Average %	94
1:40	Range %	86-101

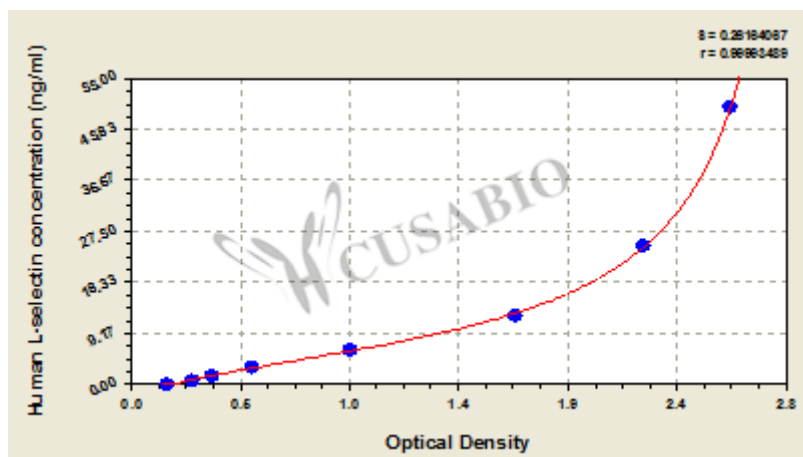
### Recovery

The recovery of human L-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)	90	86-94
EDTA plasma (n=4)	92	85-98

### Typical

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



ng/ml	OD1	OD2	Average	Corrected
50	2.498	2.662	2.580	2.409
25	2.166	2.252	2.209	2.038
12.5	1.651	1.669	1.660	1.489
6.25	0.932	0.967	0.950	0.779
3.12	0.550	0.514	0.532	0.361
1.56	0.363	0.352	0.358	0.187
0.78	0.265	0.284	0.275	0.104
0	0.173	0.169	0.171	?

## Msds

```
{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E04653h.pdf","filename":"MSDS"}}
```