Dog P-selectin(SELP) ELISA kit

Product Code	CSB-EL020978DO
Abbreviation	SELP
Protein Biological Process 1	Cell Adhesion
Target Name	selectin P (granule membrane protein 140kDa, antigen CD62)
Alias	RP1-86F14.2, CD62, CD62P, FLJ45155, GMP140, GRMP, LECAM3, PADGEM, PSEL, OTTHUMP00000032609|granulocyte membrane protein|leukocyte-endothelial cell adhesion molecule 3|platelet alpha-granule membrane
Product Type	ELISA Kit
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)
Protein Biological Process 3	Cell adhesion
Sample Types	serum, plasma, tissue homogenates
Detection Range	12.5 ng/mL-800 ng/mL
Sensitivity	3.12 ng/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	Cardiovascular
Tag Info	quantitative
Protein Description	Sandwich
Description	This Dog SELP ELISA Kit was designed for the quantitative measurement of Dog SELP protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 12.5 ng/mL-800 ng/mL and the sensitivity is 3.12 ng/mL.
Target Details	This gene encodes a 140 kDa protein that is stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. This protein redistributes to the plasma membrane during platelet activation and degranulation and mediates the interaction of activated endothelial cells or platelets with leukocytes. The membrane protein is a calcium-dependent receptor that binds to sialylated forms of Lewis blood group carbohydrate antigens on neutrophils and monocytes. Alternative splice variants may occur

but are not well documented.

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 dog SELP 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 %	90
	Range %	87-93
1:2	Average %	104
	Range %	100-108
1:4	Average %	86
	Range %	83-90
1:8	Average %	105
	Range %	100-110

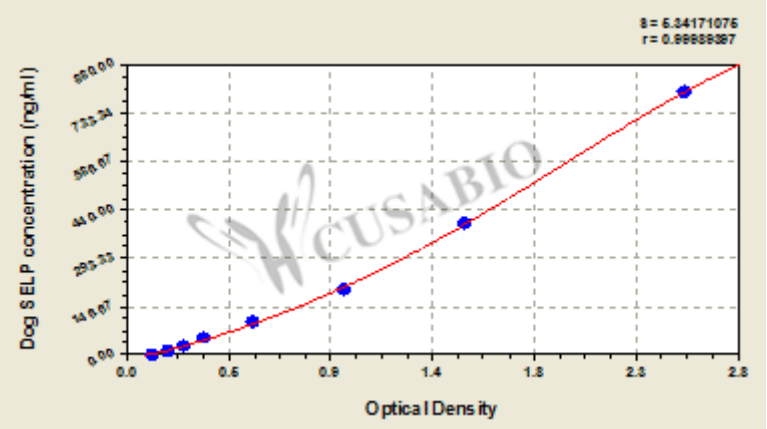
Recovery

The recovery of dog SELP 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)	88	84-93
EDTA plasma (n=4)	102	98-106

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
800	2.584	2.468	2.526	2.402
400	1.533	1.534	1.534	1.410
200	0.985	0.990	0.988	0.864
100	0.571	0.581	0.576	0.452
50	0.365	0.346	0.356	0.232
25	0.262	0.271	0.267	0.143
12.5	0.194	0.196	0.195	0.071
0	0.123	0.125	0.124	?

Msds

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