Human Cluster of differentiation 147,CD147 Elisa Kit

Product Code	CSB-E12994h
Abbreviation	BSG
Target Name	basigin (Ok blood group)
Uniprot No.	P35613
Alias	5F7, CD147, EMMPRIN, M6, OK, TCSF, CD147 antigen|M6 leukocyte activation antigen|OK blood group antigen|basigin|collagenase stimulatory factor|extracellular matrix metalloproteinase inducer
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma
Detection Range	12.5 pg/mL-800 pg/mL
Sensitivity	3.12 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	Cancer
Gene Names	BSG
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human BSG ELISA Kit was designed for the quantitative measurement of Human BSG protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 12.5 pg/mL-800 pg/mL and the sensitivity is 3.12 pg/mL.
Target Details	This protein is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. The encoded protein is also a member of the immunoglobulin superfamily. Multiple transcript variants encoding different isoforms 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 CD147 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

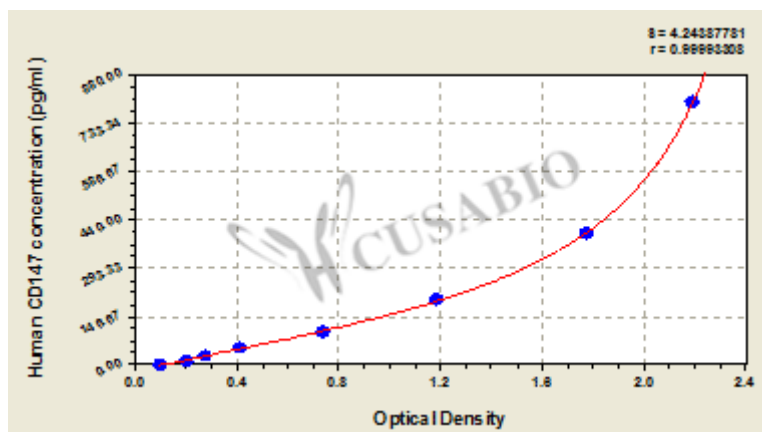| ?	Sample	Serum(n=4)
1:1	Average %	98
	Range %	93-104
1:2	Average %	94
	Range %	89-98
1:4	Average %	96
	Range %	93-100
1:8	Average %	92
	Range %	88-96

Recovery

The recovery of human CD147 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)	89	85-93
EDTA plasma (n=4)	107	103-110

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
800	2.112	2.202	2.157	2.053
400	1.756	1.735	1.746	1.642
200	1.142	1.201	1.172	1.068
100	0.725	0.741	0.733	0.629
50	0.413	0.405	0.409	0.305
25	0.278	0.281	0.280	0.176
12.5	0.211	0.200	0.206	0.102
0	0.105	0.103	0.104	?

Msds

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