



Human Protein jagged-1(JAG1) ELISA kit

Product Code	CSB-EL011927HU
Abbreviation	JAG1
Protein Biological Process 1	Signaling Pathway
Target Name	jagged 1 (Alagille syndrome)
Uniprot No.	P78504
Alias	AGS, AHD, AWS, CD339, HJ1, JAGL1, MGC104644, jagged 1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Notch signaling pathway
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.156 ng/mL-10 ng/mL
Sensitivity	0.039 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
Gene Names	JAG1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human JAG1 ELISA Kit was designed for the quantitative measurement of Human JAG1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.156 ng/mL-10 ng/mL and the sensitivity is 0.039 ng/mL.
Target Details	The jagged 1 protein encoded by JAG1 is the human homolog of the Drosophila jagged protein. Human jagged 1 is the ligand for the receptor notch 1, the latter a human homolog of the Drosophila jagged receptor notch. Mutations that alter the jagged 1 protein cause Alagille syndrome. Jagged 1 signalling through notch 1 has also been shown to play a role in hematopoiesis.
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 JAG1 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 %	100
	Range %	93-105
1:2	Average %	97
	Range %	90-101
1:4	Average %	98
	Range %	88-102
1:8	Average %	98
	Range %	88-102

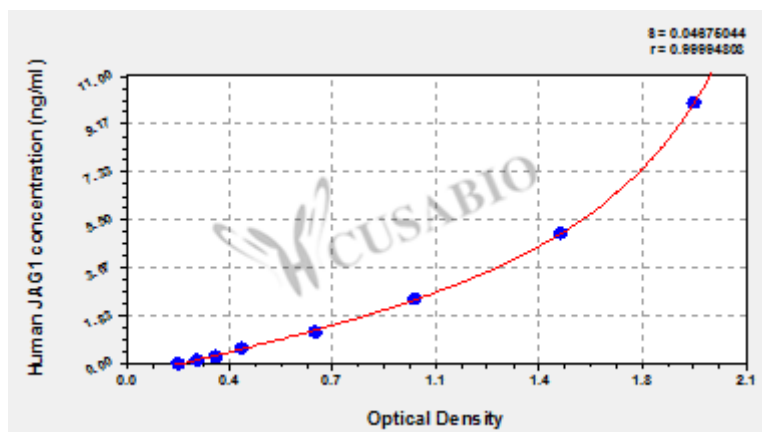
Recovery

The recovery of human JAG1 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)	91	83-96
EDTA plasma (n=4)	99	89-103

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
10	1.993	1.912	1.953	1.773
5	1.485	1.509	1.497	1.317
2.5	0.975	1.008	0.992	0.812
1.25	0.661	0.645	0.653	0.473
0.625	0.401	0.396	0.399	0.219
0.312	0.305	0.317	0.311	0.131
0.156	0.241	0.250	0.246	0.066
0	0.182	0.178	0.180	?

Msds

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