



Human dystroglycan 1 (dystrophin-associated glycoprotein 1) (DAG1) ELISA kit

Product Code	CSB-EL006488HU
Abbreviation	DAG1
Target Name	dystroglycan 1 (dystrophin-associated glycoprotein 1)
Uniprot No.	Q14118
Alias	156DAG, A3a, AGRNR, DAG, alpha-dystroglycan beta-dystroglycan dystroglycan 1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	125 pg/mL-8000 pg/mL
Sensitivity	31.25 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	DAG1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human DAG1 ELISA Kit was designed for the quantitative measurement of Human DAG1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 125 pg/mL-8000 pg/mL and the sensitivity is 31.25 pg/mL.
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 DAG1 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 %	92
	Range %	86-98
1:2	Average %	98
	Range %	93-103
1:4	Average %	96
	Range %	91-102
1:8	Average %	95
	Range %	87-99

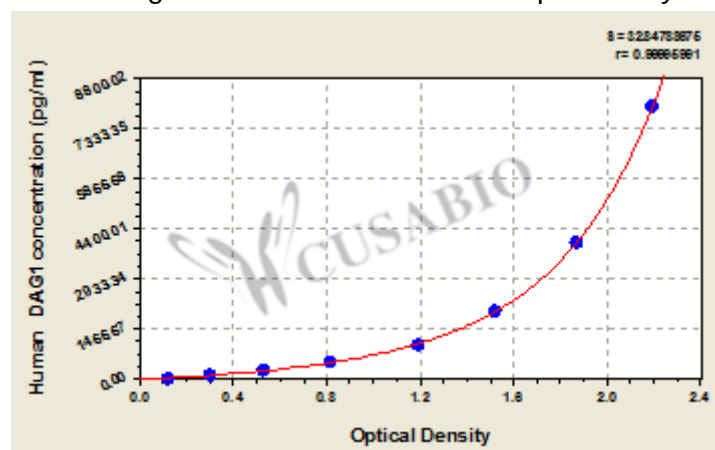
Recovery

The recovery of human DAG1 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)	94	88-97
EDTA plasma (n=4)	88	81-94

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
8000	2.301	2.159	2.230	2.098
4000	1.934	1.868	1.901	1.769
2000	1.562	1.534	1.548	1.416
1000	1.234	1.202	1.218	1.086
500	0.825	0.845	0.835	0.703
250	0.543	0.551	0.547	0.415
125	0.322	0.310	0.316	0.184
0	0.133	0.131	0.132	

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