



Human Alpha-N-acetylgalactosaminidase(NAGA) ELISA kit

Product Code	CSB-EL015414HU
Abbreviation	NAGA
Target Name	N-acetylgalactosaminidase, alpha-
Uniprot No.	P17050
Alias	D22S674, GALB, Acetylgalactosaminidase, alpha-N- (alpha-galactosidase B) OTTHUMP00000199655 OTTHUMP00000199657 alpha-N-acetylgalactosaminidase
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, urine, saliva, tissue homogenates
Detection Range	0.625 ng/mL-40 ng/mL
Sensitivity	0.156 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	Metabolism
Gene Names	NAGA
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human NAGA ELISA Kit was designed for the quantitative measurement of Human NAGA protein in serum, plasma, urine, saliva, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.625 ng/mL-40 ng/mL and the sensitivity is 0.156 ng/mL.
Target Details	NAGA encodes the lysosomal enzyme alpha-N-acetylgalactosaminidase, which cleaves alpha-N-acetylgalactosaminy l moieties from glycoconjugates. Mutations in NAGA have been identified as the cause of Schindler disease types I and II (type II also known as Kanzaki disease).
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 NAGA 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 %	94
	Range %	90-98
1:2	Average %	97
	Range %	92-101
1:4	Average %	86
	Range %	82-90
1:8	Average %	105
	Range %	100-109

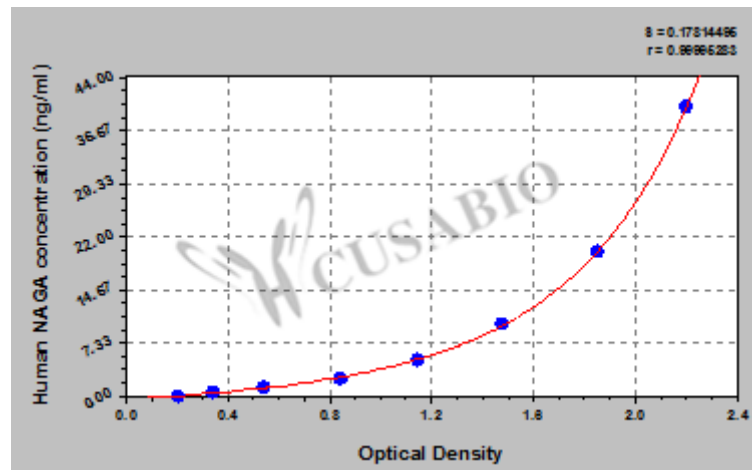
Recovery

The recovery of human NAGA 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)	95	89-98
EDTA plasma (n=4)	92	88-96

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
40	2.246	2.152	2.199	1.980
20	1.892	1.815	1.854	1.635
10	1.465	1.504	1.485	1.266
5	1.127	1.179	1.153	0.934
2.5	0.874	0.836	0.855	0.636
1.25	0.541	0.568	0.555	0.336
0.625	0.362	0.349	0.356	0.137
0	0.221	0.217	0.219	

Msds

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