



Rat Beclin-1(BECN1) ELISA kit

Product Code	CSB-EL002658RA
Abbreviation	BECN1
Protein Biological Process 1	Immunity
Target Name	beclin 1, autophagy related
Uniprot No.	Q91XJ1
Alias	ATG6, VPS30, beclin1, ATG6 autophagy related 6 homolog beclin 1 beclin 1 (coiled-coil, moesin-like BCL2 interacting protein) beclin 1 (coiled-coil, moesin-like BCL2-interacting protein)
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Protein Biological Process 3	Antiviral defense
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	Immunology
Gene Names	Becn1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Rat BECN1 ELISA Kit was designed for the quantitative measurement of Rat BECN1 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.
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 rat BECN1 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 %	86
	Range %	83-90
1:2	Average %	95
	Range %	91-99
1:4	Average %	91
	Range %	87-96
1:8	Average %	92
	Range %	87-95

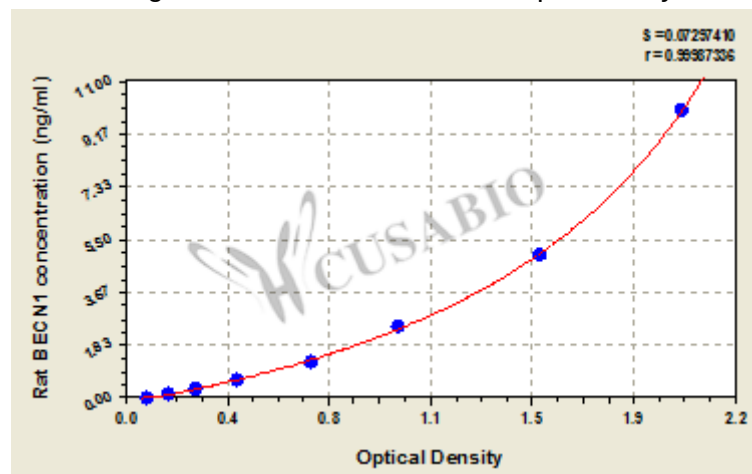
Recovery

The recovery of rat BECN1 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)	96	92-98
EDTA plasma (n=4)	90	86-95

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	2.123	1.982	2.053	1.964
5	1.539	1.523	1.531	1.442
2.5	1.017	1.001	1.009	0.920
1.25	0.691	0.687	0.689	0.600
0.625	0.422	0.412	0.417	0.328
0.312	0.268	0.259	0.264	0.175
0.156	0.166	0.161	0.164	0.075
0	0.091	0.087	0.089	?

Msds

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