



Mouse β -catenin, β -cat ELISA Kit

Product Code	CSB-E11307m
Abbreviation	CTNNB1
Protein Biological Process 1	Cell Adhesion
Target Name	catenin (cadherin-associated protein), beta 1, 88kDa
Uniprot No.	Q02248
Alias	CTNNB, DKFZp686D02253, FLJ25606, FLJ37923, OTTHUMP00000209288 beta-catenin β -catenin, β -cat
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Cell adhesion
Sample Types	serum, plasma, tissue homogenates, cell lysates
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	Ctnnb1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse CTNNB1 ELISA Kit was designed for the quantitative measurement of Mouse CTNNB1 protein in serum, plasma, tissue homogenates, cell lysates. 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 mouse β -cat 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 %	87-96
1:2	Average %	99
	Range %	95-103
1:4	Average %	101
	Range %	94-106
1:8	Average %	95
	Range %	89-98

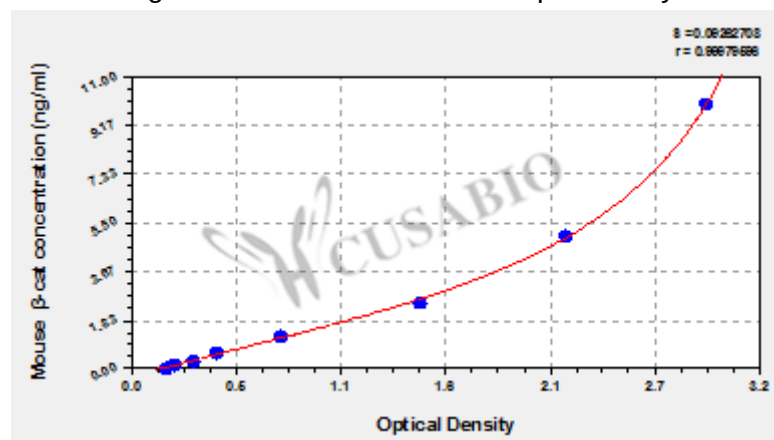
Recovery

The recovery of mouse β -cat 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	86-98
EDTA plasma (n=4)	99	92-106

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	2.854	2.961	2.908	2.715
5	2.156	2.244	2.200	2.007
2.5	1.433	1.498	1.466	1.273
1.25	0.774	0.768	0.771	0.578
0.625	0.457	0.443	0.450	0.257
0.312	0.324	0.339	0.332	0.139
0.156	0.245	0.228	0.237	0.044
0	0.189	0.197	0.193	

Msds

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