Mouse Disintegrin and metalloproteinase domain-containing protein 33(ADAM33) ELISA kit

Product Code	CSB-EL001290MO
Abbreviation	ADAM33
Target Name	ADAM metallopeptidase domain 33
Uniprot No.	Q923W9
Alias	RP5-964F7.2, C20orf153, DJ964F7.1, DKFZp434K0521, FLJ35308, FLJ36751, MGC149823, MGC71889, a disintegrin and metalloprotease 33|a disintegrin and metalloproteinase domain 33|disintegrin and reprolys
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 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	Cell Biology
Gene Names	Adam33
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse ADAM33 ELISA Kit was designed for the quantitative measurement of Mouse ADAM33 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL.
Target Details	This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. This protein is a type I transmembrane protein implicated in asthma and bronchial hyperresponsiveness. Alternative splicing of this gene results in two transcript variants encoding different isoforms.

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 ADAM33 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

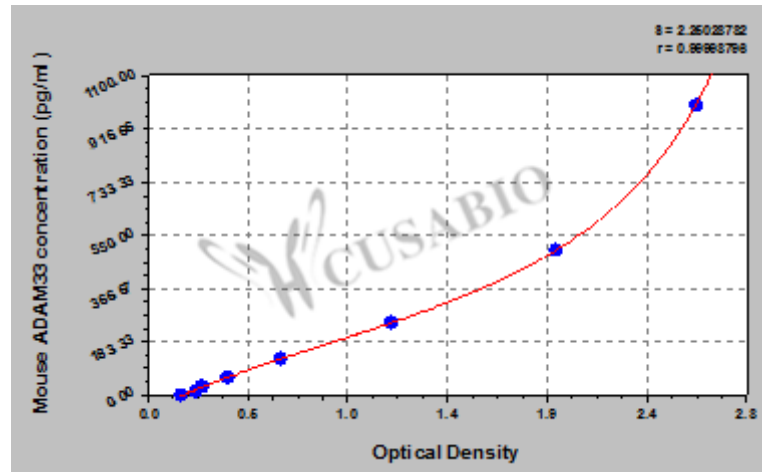|	Sample	Serum(n=4)
1:1	Average %	93
	Range %	88-97
1:2	Average %	84
	Range %	80-88
1:4	Average %	95
	Range %	90-100
1:8	Average %	104
	Range %	99-109

Recovery	The recovery of mouse ADAM33 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)	90	85-94
EDTA plasma (n=4)	92	87-96

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
1000	2.658	2.552	2.605	2.434
500	1.881	2.006	1.944	1.773
250	1.128	1.204	1.166	0.995
125	0.627	0.653	0.640	0.469
62.5	0.372	0.401	0.387	0.216
31.2	0.276	0.264	0.270	0.099
15.6	0.234	0.239	0.237	0.066
0	0.174	0.167	0.171	

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