



Mouse Serine protease HTRA1(HTRA1) ELISA kit

Product Code	CSB-EL010901MO
Abbreviation	HTRA1
Target Name	HtrA serine peptidase 1
Uniprot No.	Q9R118
Alias	ARMD7, HtrA, L56, ORF480, PRSS11, IGFBP5-protease protease, serine, 11 (IGF binding)
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	78 pg/mL-5000 pg/mL
Sensitivity	19.5 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	Signal Transduction
Gene Names	Htra1
Tag Info	quantitative
Protein Description	Sandwich

Description

This Mouse HTRA1 ELISA Kit was designed for the quantitative measurement of Mouse HTRA1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 78 pg/mL-5000 pg/mL and the sensitivity is 19.5 pg/mL.

Target Details

This gene encodes a member of the trypsin family of serine proteases. This protein is a secreted enzyme that is proposed to regulate the availability of insulin-like growth factors (IGFs) by cleaving IGF-binding proteins. It has also been suggested to be a regulator of cell growth. Variations in the promoter region of this gene are the cause of susceptibility to age-related macular degeneration type 7.

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 HTRA1 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)
	Average %	89
1:1	Range %	85-93
	Average %	95
1:2	Range %	90-100
	Average %	91
1:4	Range %	86-95
	Average %	97
1:8	Range %	92-101

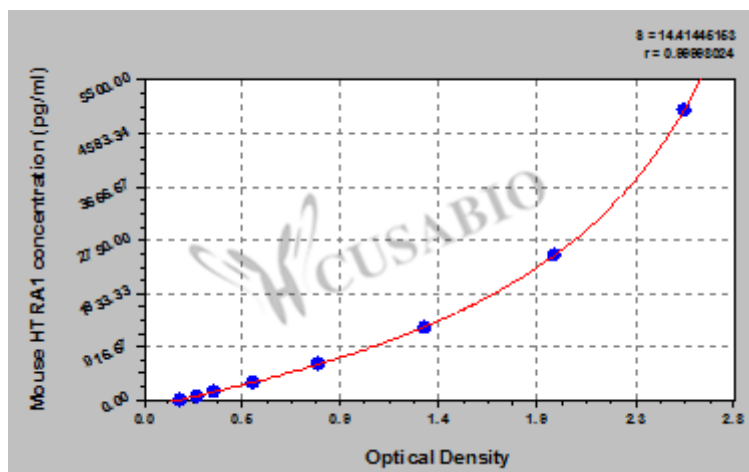
Recovery

The recovery of mouse HTRA1 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)	104	100-110
EDTA plasma (n=4)	93	89-97

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
5000	2.635	2.492	2.564	2.374
2500	2.001	1.903	1.952	1.762
1250	1.329	1.357	1.343	1.153
625	0.814	0.860	0.837	0.647
312	0.547	0.519	0.533	0.343
156	0.352	0.338	0.345	0.155
78	0.263	0.271	0.267	0.077
0	0.186	0.194	0.190	?

Msds

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