



Rat Urokinase-type Plasminogen Activator Receptor,PLAUR/uPAR ELISA kit

Product Code	CSB-E07366r
Abbreviation	PLAUR
Target Name	plasminogen activator, urokinase receptor
Uniprot No.	P49616
Alias	CD87, UPAR, URKR, monocyte activation antigen Mo3 u-plasminogen activator receptor form 2
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
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	Cancer
Gene Names	Plaur
Tag Info	quantitative
Protein Description	Sandwich
Description	This Rat PLAUR ELISA Kit was designed for the quantitative measurement of Rat PLAUR 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.
Target Details	This gene encodes the receptor for urokinase plasminogen activator and, given its role in localizing and promoting plasmin formation, likely influences many normal and pathological processes related to cell-surface plasminogen activation and localized degradation of the extracellular matrix. It binds both the proprotein and mature forms of urokinase plasminogen activator and permits the activation of the receptor-bound pro-enzyme by plasmin. The protein lacks transmembrane or cytoplasmic domains and may be anchored to the plasma membrane by a glycosyl-phosphatidylinositol (GPI) moiety following cleavage of the nascent polypeptide near its carboxy-terminus. However, a soluble protein is



also produced in some cell types. Alternative splicing results in multiple transcript variants encoding different isoforms. The protein experiences several post-translational cleavage reactions that have not yet been fully defined.

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 PLAUR/uPAR 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 %	88
1:1	Range %	84-92
	Average %	103
1:2	Range %	98-106
	Average %	95
1:4	Range %	88-99
	Average %	92
1:8	Range %	87-96

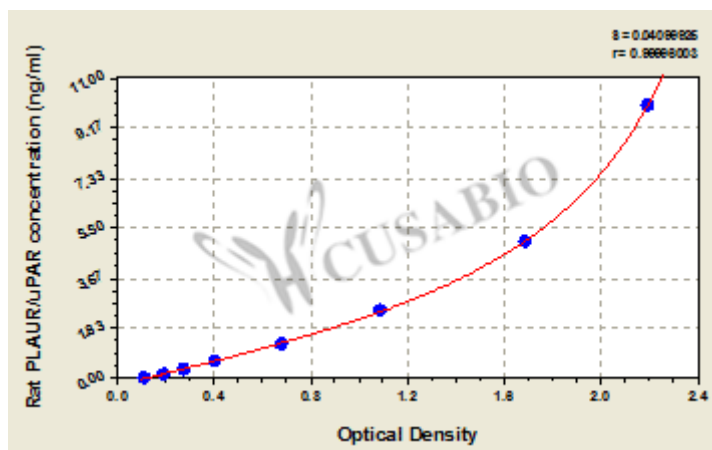
Recovery

The recovery of rat PLAUR/uPAR 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)	92	83-96
EDTA plasma (n=4)	104	96-108

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	2.113	2.273	2.193	2.072
5	1.643	1.732	1.688	1.567
2.5	1.072	1.119	1.096	0.975
1.25	0.682	0.691	0.687	0.566
0.625	0.404	0.418	0.411	0.290
0.312	0.276	0.289	0.283	0.162
0.156	0.206	0.203	0.205	0.084
0	0.120	0.121	0.121	?

Msds

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