



Rat Indoleamine 2,3-dioxygenase,IDO ELISA Kit

Product Code	CSB-E13583r
Protein Biological Process 2	Amino-acid biosynthesis and metabolism
Abbreviation	IDO1
Protein Biological Process 1	Biosynthesis/Metabolism
Target Name	indoleamine 2,3-dioxygenase 1
Uniprot No.	Q9ERD9
Alias	CD107B, IDO, INDO, indole 2,3-dioxygenase[indoleamine-pyrrole 2,3 dioxygenase
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Protein Biological Process 3	Tryptophan catabolism
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.81 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	Metabolism
Gene Names	Ido1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Rat IDO1 ELISA Kit was designed for the quantitative measurement of Rat IDO1 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.81 pg/mL.
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8%</p> <p>Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10%</p>



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 IDO 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 %	81-92
1:2	Average %	98
	Range %	93-102
1:4	Average %	91
	Range %	85-97
1:8	Average %	95
	Range %	91-99

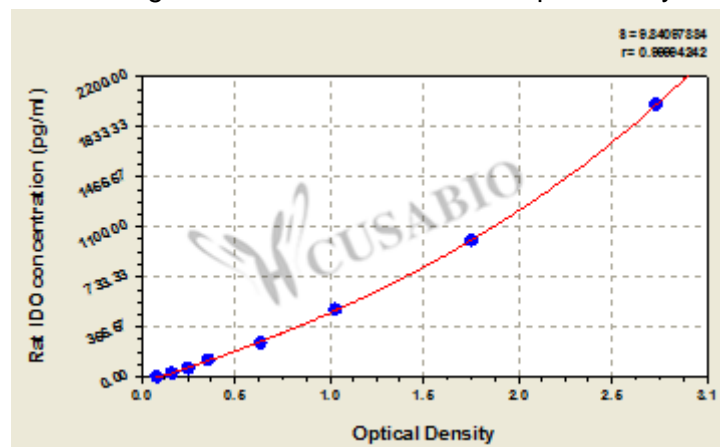
Recovery

The recovery of rat IDO 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)	89	85-93
EDTA plasma (n=4)	96	89-99

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
2000	2.864	2.711	2.788	2.693
1000	1.852	1.724	1.788	1.693
500	1.076	1.031	1.054	0.959
250	0.652	0.657	0.655	0.560
125	0.361	0.377	0.369	0.274
62.5	0.264	0.254	0.259	0.164
31.25	0.172	0.178	0.175	0.080
0	0.096	0.094	0.095	

Msds

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