





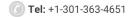
# Mouse Tyrosinase(TYR) ELISA kit

Product Code	CSB-EL025394MO
Protein Biological Process 2	biogenic amine biosynthesis and metabolism
Abbreviation	TYR
Protein Biological Process 1	Biosynthesis/Metabolism
Target Name	tyrosinase (oculocutaneous albinism IA)
Uniprot No.	P11344
Alias	OCA1A, OCAIA, SHEP3, tyrosinase
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Melanin biosynthesis
Sample Types	serum, plasma, tissue homogenates, cell lysates
<b>Detection Range</b>	31.25 pg/mL-2000 pg/mL
Sensitivity	7.8 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
<b>Detection Wavelength</b>	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	Tyr
Tag Info	quantitative
<b>Protein Description</b>	Sandwich
Description	This Mouse TYR ELISA Kit was designed for the quantitative measurement of Mouse TYR 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 7.8 pg/mL.
Target Details	The enzyme encoded by this gene catalyzes the first 2 steps, and at least 1 subsequent step, in the conversion of tyrosine to melanin. The enzyme has both tyrosine hydroxylase and dopa oxidase catalytic activities, and requires copper for function. Mutations in this gene result in oculocutaneous albinism, and

nonpathologic polymorphisms result in skin pigmentation variation. The human

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#### **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 TYR 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 %	96
	Range %	93-99
1:2	Average %	88
	Range %	84-92
1:4	Average %	101
	Range %	98-104
1:8	Average %	86
	Range %	83-89

### Recovery

The recovery of mouse TYR 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)	95	87-99
EDTA plasma (n=4)	98	95-102

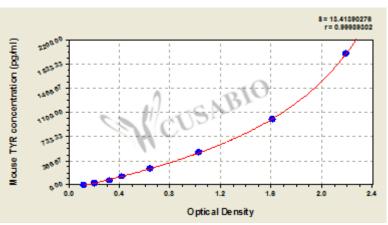
## **Typical**

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 2.156 2.169 2.163 2.038 1000 1.578 1.598 1.588 1.463 500 1.031 1.004 1.018 0.893 250 0.642 0.635 0.639 0.514 125 0.410 0.435 0.423 0.298 62.5 0.316 0.326 0.321 0.196 31.25 0.201 0.216 0.209 0.084

0.124 0.126 0.125

**Msds** 

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