

Mouse Tyrosinase ELISA Kit | Tyr elisa kit

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CATALOG #
AAA100427

REACTIVITY
Mouse

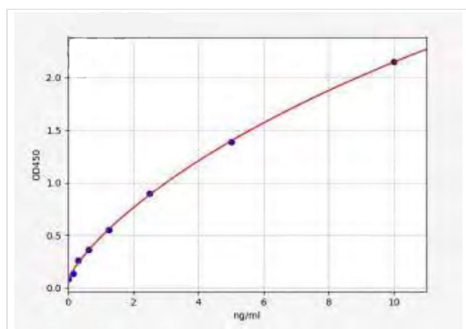
PRODUCT SYNONYMS

Tyrosinase; Mouse Tyrosinase ELISA Kit; Tyr/TYR (Tyrosinase)/Tumor rejection antigen AB/SK29-AB/LB24-AB/Monophenol monooxygenase; Tyr elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize Tyr, no obvious cross reaction with other analogues
Sequence Length	529
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Tyr elisa kit	Background: Tyrosinase is a copper-containing enzyme in a 75 kD glycoprotein, known as molecule T4, which is essential for melanogenesis and pigmentation. It is synthesized by epithelial, mucosal, retinal and ciliary body melanocytes, and stored in cytoplasmic organelles. Melanin production is regulated by tyrosinase, tyrosinase-related protein 1, DOPAchrome tautomerase and melanogenic inhibitor. A pigment overproduction, come up by the action of the tyrosinase, can cause different disorders in the skin related to the hyperpigmentation. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti Tyr antibody was pre-coated onto the 96-well plate. The biotin conjugated anti Tyr antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with Tyr conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of Tyr in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507753
NCBI GeneID	7299
NCBI Accession #	NP_000363.1
NCBI GenBank Nucleotide #	NM_000372.4
Molecular Weight	42,914 Da
NCBI Official Full Name	tyrosinase
NCBI Official Synonym Full Names	tyrosinase
NCBI Official Symbol	TYR
NCBI Official Synonym Symbols	ATN; CMM8; OCA1; OCA1A; OCAIA; SHEP3
NCBI Protein Information	tyrosinase
UniProt Protein Name	Tyrosinase
UniProt Gene Name	TYR
UniProt Entry Name	TYRO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.