

Rat Tyrosinase (TYR) ELISA Kit | TYR elisa kit

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CATALOG #
AAA65899

REACTIVITY
Rat

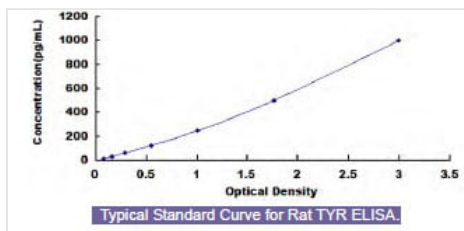
PRODUCT SYNONYMS

Tyrosinase (TYR); Rat Tyrosinase (TYR) ELISA Kit; OCAIA; OCA1A; OCA1; CMM8; Oculocutaneous Albinism IA; Monophenol monooxygenase; Tumor rejection antigen AB; TYR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TYR. No significant cross-reactivity or interference between TYR and analogues was observed.
Sequence Length	530
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	6.7pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TYR were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TYR were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TYR elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TYR in rat serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TYR. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TYR. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TYR, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of TYR in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157820073
NCBI GeneID	308800
NCBI Accession #	NP_001101005.1
NCBI GenBank Nucleotide #	NM_001107535.1
UniProt Accession #	D4A9G4
Molecular Weight	60,359 Da
NCBI Official Full Name	tyrosinase
NCBI Official Synonym Full Names	tyrosinase
NCBI Official Symbol	Tyr
NCBI Official Synonym Symbols	C
NCBI Protein Information	tyrosinase
UniProt Protein Name	Protein Tyr
UniProt Gene Name	Tyr

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.