

Rat Tyrosinase ELISA Kit | Tyr elisa kit

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CATALOG #
AAA84937

REACTIVITY
Rat

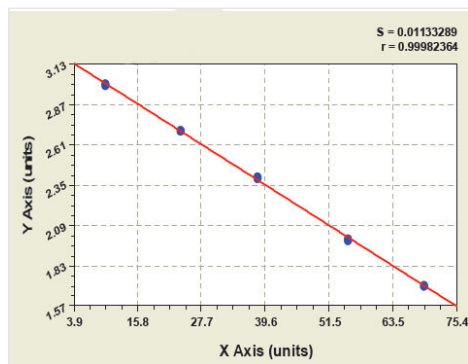
PRODUCT SYNONYMS

Tyrosinase; Rat Tyrosinase ELISA Kit; Tyr elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/ml
Intended Uses	This Tyr ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat Tyr. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Tyr elisa kit

Principle of the Assay: Tyr ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Tyr antibody and an Tyr-HRP conjugate. The assay sample and buffer are incubated together with Tyr-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Tyr concentration since Tyr from samples and Tyr-HRP conjugate compete for the anti-Tyr antibody binding site. Since the number of sites is limited, as more sites are occupied by Tyr from the sample, fewer sites are left to bind Tyr-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Tyr concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	329025995
Molecular Weight	19,455 Da
NCBI Official Full Name	TYR, partial
UniProt Protein Name	TYR
UniProt Gene Name	TYR
UniProt Entry Name	F5CQG8_MEGNO

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.

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Online datasheet: <https://www.aaabiotech.com/tyr-rat-elisa-kits/tyrosinase/84937>