

Mouse Type II iodothyronine deiodinase ELISA Kit | DIO2 elisa kit

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CATALOG #
AAA95540

REACTIVITY
Mouse

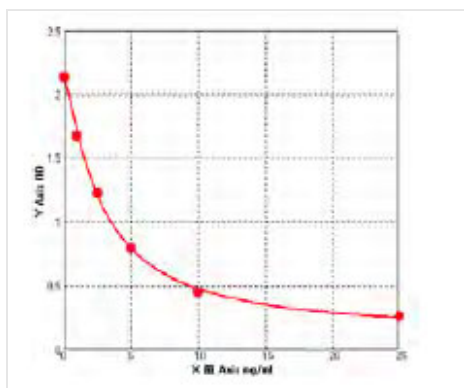
PRODUCT SYNONYMS

Type II iodothyronine deiodinase; Mouse Type II iodothyronine deiodinase ELISA Kit; DIO2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DIO2 elisa kit

Intended Uses: This IDO ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human IDO. This ELISA kit for research use only!

Principle of the Assay: IDO ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IDO antibody and an IDO-HRP conjugate. The assay sample and buffer are incubated together with IDO-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 IDO concentration since IDO from samples and IDO-HRP conjugate compete for the anti-IDO antibody binding site. Since the number of sites is limited, as more sites are occupied by IDO from the sample, fewer sites are left to bind IDO-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IDO concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10863065
NCBI GeneID	1734
Molecular Weight	34,704 Da
NCBI Official Full Name	type II iodothyronine deiodinase
NCBI Official Synonym Full Names	deiodinase, iodothyronine, type II
NCBI Official Symbol	DIO2
NCBI Official Synonym Symbols	D2; 5DII; SeIY; DIOII; TXDI2
NCBI Protein Information	type II iodothyronine deiodinase; type 2 DI; deiodinase-2; deiodonase-2; type-II 5'deiodinase; type-II 5'-deiodinase; thyroxine deiodinase, type II; type 2 iodothyronine deiodinase
UniProt Protein Name	Type II iodothyronine deiodinase
UniProt Gene Name	DIO2
UniProt Synonym Gene Names	ITDI2; TXDI2
UniProt Entry Name	IOD2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/dio2-mouse-elisa-kits/type-ii-iodothyronine-deiodinase/95540>