

Monkey Type II iodothyronine deiodinase ELISA Kit | DIO2 elisa kit

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CATALOG #
AAA96401

REACTIVITY
Monkey

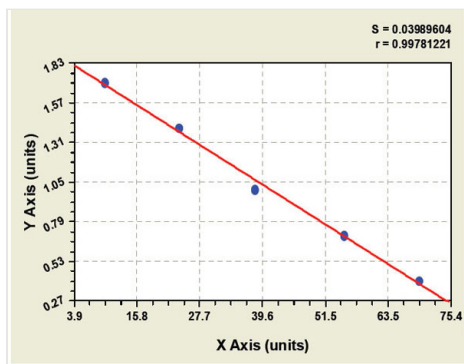
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This DIO2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey DIO2. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DIO2 elisa kit	Principle of the Assay: DIO2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DIO2 antibody and an DIO2-HRP conjugate. The assay sample and buffer are incubated together with DIO2-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 DIO2 concentration since DIO2 from samples and DIO2-HRP conjugate compete for the anti-DIO2 antibody binding site. Since the number of sites is limited, as more sites are occupied by DIO2 from the sample, fewer sites are left to bind DIO2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DIO2 concentration in each sample is interpolated from this standard curve.
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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.