

Rat Deiodinase, Iodothyronine, Type II (DIO2) ELISA Kit | DIO2 elisa kit

Rat Deiodinase, Iodothyronine, Type II (DIO2) ELISA Kit

CATALOG #
AAA185985

REACTIVITY
Rat

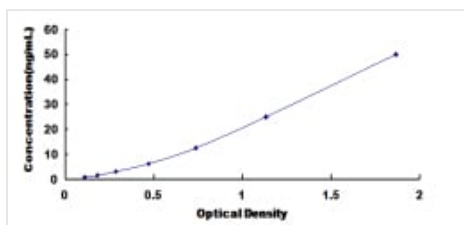
PRODUCT SYNONYMS

Deiodinase; Iodothyronine; Type II (DIO2); Rat Deiodinase; Type II (DIO2) ELISA Kit; 5DII; D2; SelY; TXDI2; Thyroxine Deiodinase; Type II; Type-II 5'-deiodinase; DIO2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Deiodinase, Iodothyronine, Type II (DIO2). No significant cross-reactivity or interference between Deiodinase, Iodothyronine, Type II (DIO2) and analogues was observed.
Sequence Length	309
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.781-50ng/mL
Sensitivity	< 0.24ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Deiodinase, Iodothyronine, Type II (DIO2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Deiodinase, Iodothyronine, Type II (DIO2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DIO2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Deiodinase, Iodothyronine, Type II (DIO2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Deiodinase, Iodothyronine, Type II (DIO2). 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 Deiodinase, Iodothyronine, Type II (DIO2), 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 Deiodinase, Iodothyronine, Type II (DIO2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	223462734
NCBI GeneID	1734
UniProt Accession #	Q92813; Q6B0A3; Q9HCP8; Q9P1W4; Q9UDZ1; B9EGK0; G3V315
Molecular Weight	34,704 Da
NCBI Official Full Name	Deiodinase, iodothyronine, type II
NCBI Official Synonym Full Names	iodothyronine deiodinase 2
NCBI Official Symbol	DIO2
NCBI Official Synonym Symbols	D2; 5DII; SeIY; DIOII; TXDI2
NCBI Protein Information	type II iodothyronine deiodinase
UniProt Protein Name	Type II iodothyronine deiodinase
UniProt Gene Name	DIO2
UniProt Synonym Gene Names	ITDI2; TXDI2

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/rat-elisa-kits/deiodinase-iodothyronine-type-ii-dio2/185985>