

Human Type I iodothyronine deiodinase ELISA Kit | DIO1 elisa kit

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CATALOG #
AAA100662

REACTIVITY
Human

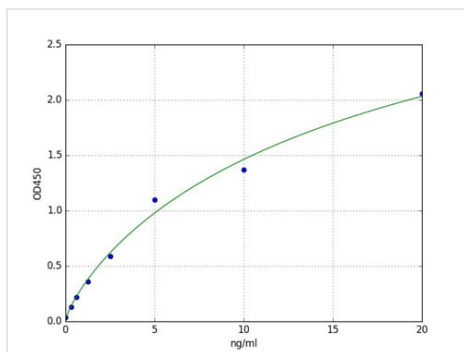
PRODUCT SYNONYMS

Type I iodothyronine deiodinase; Human Type I iodothyronine deiodinase ELISA Kit; DIO1/Type I iodothyronine deiodinase/Type-I 5'-deiodinase/Type 1 DI/5DI/DIOI; DIO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	257
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Results of a typical standard run of a Human DIO1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.074	0.146	0.222	0.367	0.663	1.143	1.945	2.598

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DIO1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human DIO1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human DIO1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human DIO1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human DIO1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51988898
NCBI GeneID	25430
NCBI Accession #	NP_067685.5
NCBI GenBank Nucleotide #	NM_021653.3
Molecular Weight	29,730 Da
NCBI Official Full Name	type I iodothyronine deiodinase
NCBI Official Synonym Full Names	deiodinase, iodothyronine, type I
NCBI Official Symbol	Dio1
NCBI Official Synonym Symbols	5DI; ITDI1; TXDI1
NCBI Protein Information	type I iodothyronine deiodinase
UniProt Protein Name	Type I iodothyronine deiodinase
UniProt Gene Name	Dio1
UniProt Synonym Gene Names	Itidi1; Txd1
UniProt Entry Name	IOD1_RAT

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://stage.aaabiotech.com/dio1-human-elisa-kits/type-i-iodothyronine-deiodinase/100662>