

Human Iodotyrosine dehalogenase 1 (IYD) ELISA Kit | IYD elisa kit

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CATALOG #
AAA245226

REACTIVITY
Human

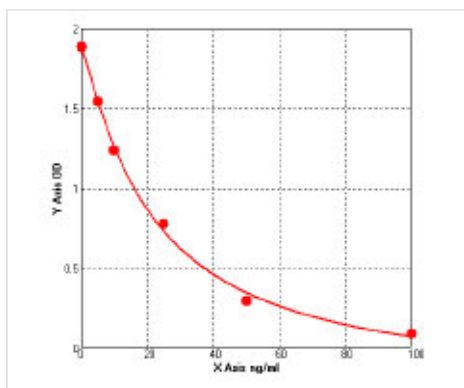
PRODUCT SYNONYMS

Iodotyrosine dehalogenase 1 (IYD); Human Iodotyrosine dehalogenase 1 (IYD) ELISA Kit; IYD elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IYD elisa kit

Intended Uses: This DEFA5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse DEFA5. This ELISA kit for research use only!

Principle of the Assay: DEFA5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DEFA5 antibody and an DEFA5-HRP conjugate. The assay sample and buffer are incubated together with DEFA5-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 DEFA5 concentration since DEFA5 from samples and DEFA5-HRP conjugate compete for the anti-DEFA5 antibody binding site. Since the number of sites is limited, as more sites are occupied by DEFA5 from the sample, fewer sites are left to bind DEFA5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DEFA5 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	257743486
NCBI GeneID	389434
NCBI Accession #	NP_001158166.1
NCBI GenBank Nucleotide #	NM_001164694.1
Molecular Weight	22,460 Da
NCBI Official Full Name	iodotyrosine dehalogenase 1 isoform 1
NCBI Official Synonym Full Names	iodotyrosine deiodinase
NCBI Official Symbol	IYD
NCBI Official Synonym Symbols	TDH4; DEHAL1; C6orf71; dJ422F24.1
NCBI Protein Information	iodotyrosine dehalogenase 1; IYD-1
UniProt Protein Name	Iodotyrosine dehalogenase 1
UniProt Gene Name	IYD
UniProt Synonym Gene Names	C6orf71; DEHAL1; IYD-1
UniProt Entry Name	IYD1_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/iodotyrosine-dehalogenase-1-iyd/245226>