

Human 3 hydroxyacyl CoA dehydrogenase type 2 (HSD17B10) ELISA Kit | HSD17B10 elisa kit

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CATALOG #
AAA245800

REACTIVITY
Human

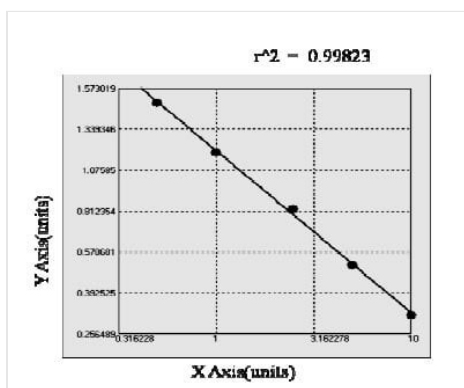
PRODUCT SYNONYMS

3 hydroxyacyl CoA dehydrogenase type 2 (HSD17B10); Human 3 hydroxyacyl CoA dehydrogenase type 2 (HSD17B10) ELISA Kit; HSD17B10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSD17B10 elisa kit	Intended Uses: This HSD17B10 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human HSD17B10. This ELISA kit for research use only! Principle of the Assay HSD17B10 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-HSD17B10 antibody and an HSD17B10-HRP conjugate. The assay sample and buffer are incubated together with HSD17B10-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 HSD17B10 concentration since HSD17B10 from samples and HSD17B10-HRP conjugate compete for the anti-HSD17B10 antibody binding site. Since the number of sites is limited, as more sites are occupied by HSD17B10 from the sample, fewer sites are left to bind HSD17B10-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSD17B10 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2492759
NCBI GeneID	3028
Molecular Weight	25,984 Da
NCBI Official Full Name	3-hydroxyacyl-CoA dehydrogenase type-2
NCBI Official Synonym Full Names	hydroxysteroid (17-beta) dehydrogenase 10
NCBI Official Symbol	HSD17B10
NCBI Official Synonym Symbols	ABAD; CAMR; ERAB; HCD2; MHBD; HADH2; MRPP2; MRX17; MRX31; SCHAD; MRXS10; SDR5C1; 17b-HSD10; DUPXP11.22
NCBI Protein Information	3-hydroxyacyl-CoA dehydrogenase type-2; mitochondrial RNase P subunit 2; AB-binding alcohol dehydrogenase; mitochondrial ribonuclease P protein 2; 3-hydroxy-2-methylbutyryl-CoA dehydrogenase; short chain type dehydrogenase/reductase XH98G2; amyloid-beta peptide binding alcohol dehydrogenase; short chain L-3-hydroxyacyl-CoA dehydrogenase type 2; short chain dehydrogenase/reductase family 5C, member 1; endoplasmic reticulum-associated amyloid beta-peptide-binding protein
UniProt Protein Name	3-hydroxyacyl-CoA dehydrogenase type-2
UniProt Gene Name	HSD17B10
UniProt Synonym Gene Names	ERAB; HADH2; MRPP2; SCHAD; XH98G2; 17-beta-HSD 10; Mitochondrial RNase P protein 2
UniProt Entry Name	HCD2_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.