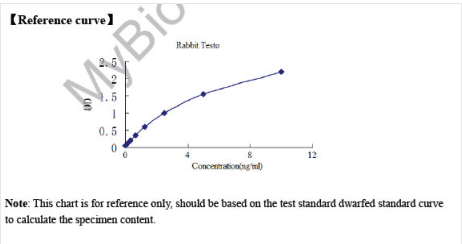
Testosterone (HSD17B3) ELISA Kit for Rabbit

PRODUCT OVERVIEW

Product Name	Testosterone (HSD17B3), ELISA Kit
Full Product Name	Rabbit Testosterone ELISA Kit
Product Gene Name	HSD17B3 elisa kit
Species Reactivity	Rabbit
Assay Type	Sandwich
Samples	Rabbit serum, plasma or cell culture supernatant and organizations in the natural and recombinant Testo concentration.
Detection Range	10 ng/ml-0.156 ng/ml
Sensitivity	The minimum detectable Rabbit Testo up to 0.05 ng/ml.
Specificity	No cross-reaction with other factors.
Preparation and Storage	Store all reagents at 2-8 degree C.
Inter-assay Precision	<= 12%
Intra-assay Precision	<= 8%
Molecular Weight	34,516 Da
OMIM	605573
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for HSD17B3 elisa kit	Principle of the Assay: This experiment use double-sandwich elisa technique and the ELISA Kit provided is typical. The pre-coated antibody is Rabbit Testo monoclonal antibody and the detecting antibody is polyclonal antibody with biotin labeled. Samples and biotin labeling antibody are added into ELISA plate wells and washed out with PBS or TBS. Then Avidin-peroxidase conjugates are added to ELISA wells in order; Use TMB substrate for coloring after reactant thoroughly washed out by PBS or TBS. TMB turns into blue in peroxidase catalytic and finally turns into yellow under the action of acid. The color depth and the testing factors in samples are positively correlated.
Other Notes	Small volumes of HSD17B3 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HSD17B3 purchase	MBS2600536 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Testosterone (HSD17B3) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing HSD17B3. The ELISA analytical biochemical technique of the MBS2600536 kit is based on HSD17B3 antibody-HSD17B3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect HSD17B3 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, HSD17B3. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of HSD17B3 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HSD17B3. It may not necessarily be applicable to this product.

NCBI GI #	4557649
NCBI GeneID	3293
NCBI Accession #	NP_000188.1
UniProt Related Accession #	P37058
GenBank Nucleotide #	NM_000197.1
NCBI Official Full Name	testosterone 17-beta-dehydrogenase 3
NCBI Official Synonym Full Names	hydroxysteroid (17-beta) dehydrogenase 3
NCBI Official Symbol	HSD17B3
NCBI Official Synonym Symbols	EDH17B3; SDR12C2
UniProt Protein Name	Testosterone 17-beta-dehydrogenase 3
UniProt Synonym Protein Names	17-beta-hydroxysteroid dehydrogenase type 3; 17-beta-HSD 3; Testicular 17-beta-hydroxysteroid dehydrogenase
Protein Family	Testosterone 17-beta-dehydrogenase
UniProt Gene Name	HSD17B3
UniProt Synonym Gene Names	EDH17B3; 17-beta-HSD 3
UniProt Entry Name	DHB3_HUMAN
NCBI Protein Information	testosterone 17-beta-dehydrogenase 3; 17-beta-HSD3; 17-beta-HSD 3; 17-beta-hydroxysteroid dehydrogenase type 3; testicular 17-beta-hydroxysteroid dehydrogenase; short chain dehydrogenase/reductase family 12C, member 2
NCBI Summary for HSD17B3	This isoform of 17 beta-hydroxysteroid dehydrogenase is expressed predominantly in the testis and catalyzes the conversion of androstenedione to testosterone. It preferentially uses NADP as cofactor. Deficiency can result in male pseudohermaphroditism with gynecomastia. [provided by RefSeq, Jul 2008]

UniProt Comments for HSD17B3	HSD17B3: Favors the reduction of androstenedione to testosterone. Uses NADPH while the two other EDH17B enzymes use NADH. Defects in HSD17B3 are the cause of male pseudohermaphrodism with gynecomastia (MPH). These individuals have unambiguous female external genitalia at birth, but fail to menstruate at the time of expected puberty and instead virilize as evidenced by growth of the phallus. Breast development may or may not take place. Belongs to the short-chain dehydrogenases/reductases (SDR) family. 17-beta-HSD 3 subfamily. Protein type: Oxidoreductase; EC 1.1.1.64; Lipid Metabolism - androgen and estrogen Chromosomal Location of Human Ortholog: 9q22 Cellular Component: endoplasmic reticulum membrane; intracellular membrane-bound organelle Molecular Function: testosterone 17-beta-dehydrogenase (NADP+) activity Biological Process: steroid metabolic process; male genitalia development; androgen biosynthetic process Disease: 17-beta Hydroxysteroid Dehydrogenase Iii Deficiency
Research Articles on HSD17B3	**1.** These results suggest that the HSD17B3 G289S polymorphism may be a potential risk modifier for hypospadias.
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