

Rat 17-beta-hydroxysteroid dehydrogenase 14 (HSD17B14) ELISA Kit | HSD17B14 elisa kit

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CATALOG #
AAA245986

REACTIVITY
Rat

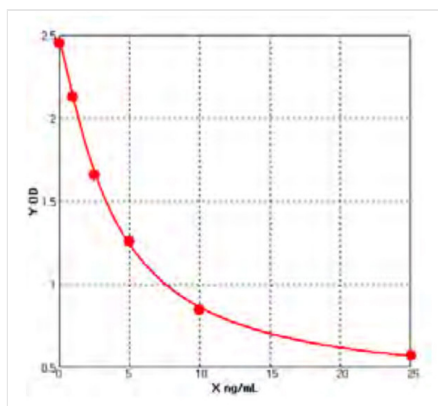
PRODUCT SYNONYMS

17-beta-hydroxysteroid dehydrogenase 14 (HSD17B14); Rat 17-beta-hydroxysteroid dehydrogenase 14 (HSD17B14) ELISA Kit; HSD17B14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of HSD17B14. No significant cross-reactivity or interference between HSD17B14 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HSD17B14 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSD17B14 elisa kit	Principle of the Assay: HSD17B14 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-HSD17B14 antibody and an HSD17B14-HRP conjugate. The assay sample and buffer are incubated together with HSD17B14-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 HSD17B14 concentration since HSD17B14 from samples and HSD17B14-HRP conjugate compete for the anti-HSD17B14 antibody binding site. Since the number of sites is limited, as more sites are occupied by HSD17B14 from the sample, fewer sites are left to bind HSD17B14-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSD17B14 concentration in each sample is interpolated from this standard curve. Intended Uses: This HSD17B14 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat HSD17B14. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	59889578
NCBI GeneID	51171
NCBI Accession #	NP_057330.2
NCBI GenBank Nucleotide #	NM_016246.2
Molecular Weight	28,317 Da
NCBI Official Full Name	17-beta-hydroxysteroid dehydrogenase 14
NCBI Official Synonym Full Names	hydroxysteroid (17-beta) dehydrogenase 14
NCBI Official Symbol	HSD17B14
NCBI Official Synonym Symbols	DHRS10; SDR47C1; retSDR3
NCBI Protein Information	17-beta-hydroxysteroid dehydrogenase 14; 17-beta-HSD 14; 17-beta-hydroxysteroid dehydrogenase DHRS10; dehydrogenase/reductase SDR family member 10; retinal short-chain dehydrogenase/reductase 3; retinal short-chain dehydrogenase/reductase retSDR3; short chain dehydrogenase/reductase family 47C, member 1
UniProt Protein Name	17-beta-hydroxysteroid dehydrogenase 14
UniProt Gene Name	HSD17B14
UniProt Synonym Gene Names	DHRS10; SDR3; UNQ502/PRO474; 17-beta-HSD 14
UniProt Entry Name	DHB14_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://stage.aaabiotech.com/rat-elisa-kits/17-beta-hydroxysteroid-dehydrogenase-14-hsd17b14/245986>