

Mouse Estradiol 17 beta-dehydrogenase 5 ELISA Kit | Akr1c6 elisa kit

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CATALOG #
AAA56148

REACTIVITY
Mouse

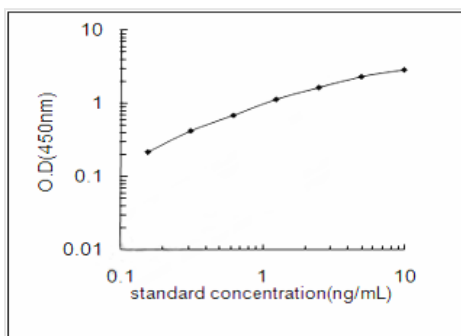
PRODUCT SYNONYMS

Estradiol 17 beta-dehydrogenase 5; Mouse Estradiol 17 beta-dehydrogenase 5 ELISA Kit; Akr1c6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay recognizes recombinant and natural mouse Estradiol 17 beta-dehydrogenase 5. No significant cross-reactivity or interference was observed.
Sequence Length	323
Assay Type	Sandwich
Detection Range	0.156-10 ng/mL
Sensitivity	0.089 ng/mL
Intra-Assay CV	<=7.4%
Inter-Assay CV	<=9.6%
Recovery	107%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Akr1c6 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Estradiol 17 beta-dehydrogenase 5. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Estradiol 17 beta-dehydrogenase 5 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Estradiol 17 beta-dehydrogenase 5, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Estradiol 17 beta-dehydrogenase 5 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13487925
NCBI GeneID	83702
NCBI Accession #	NP_085114.1
NCBI GenBank Nucleotide #	NM_030611.3
UniProt Accession #	P70694
Molecular Weight	37,048 Da
NCBI Official Full Name	estradiol 17 beta-dehydrogenase 5
NCBI Official Synonym Full Names	aldo-keto reductase family 1, member C6
NCBI Official Symbol	Akr1c6
NCBI Official Synonym Symbols	Akr1c1; Hsd17b5; 3alpha-HSD
NCBI Protein Information	estradiol 17 beta-dehydrogenase 5
UniProt Protein Name	Estradiol 17 beta-dehydrogenase 5
UniProt Gene Name	Akr1c6
UniProt Synonym Gene Names	Hsd17b5
UniProt Entry Name	DHB5_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/akr1c6-mouse-elisa-kits/estradiol-17-beta-dehydrogenase-5/56148>