

Mouse Steroid 5 Alpha Reductase ELISA Kit | SRD5a elisa kit

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CATALOG #
AAA86227

REACTIVITY
Mouse

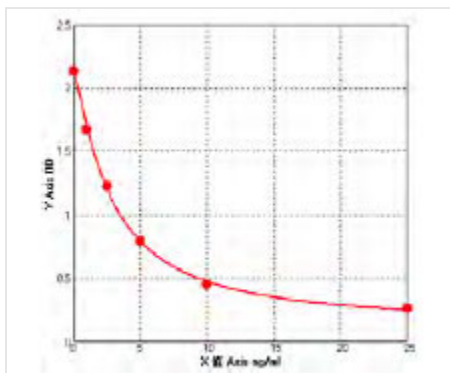
PRODUCT SYNONYMS

Steroid 5 Alpha Reductase; Mouse Steroid 5 Alpha Reductase ELISA Kit; SRD5a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of SD5alphaR. No significant cross-reactivity or interference between SD5alphaR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SD5alphaR and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 SRD5a elisa kit	Intended Uses: This SD5alphaR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse SD5alphaR. This ELISA kit for research use only! Principle of the Assay: SD5alphaR ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SD5alphaR antibody and an SD5alphaR-HRP conjugate. The assay sample and buffer are incubated together with SD5alphaR-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 SD5alphaR concentration since SD5alphaR from samples and SD5alphaR-HRP conjugate compete for the anti-SD5alphaR antibody binding site. Since the number of sites is limited, as more sites are occupied by SD5alphaR from the sample, fewer sites are left to bind SD5alphaR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SD5alphaR concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25004880
NCBI GeneID	101508101
UniProt Accession #	Q8GTD7
Molecular Weight	35,989 Da
NCBI Official Full Name	steroid 5-alpha reductase
NCBI Official Symbol	LOC101508101
NCBI Official Synonym Symbols	sr5a
NCBI Protein Information	very-long-chain enoyl-CoA reductase-like; steroid 5-alpha reductase
UniProt Protein Name	Steroid 5-alpha reductase
UniProt Gene Name	sr5a
UniProt Entry Name	Q8GTD7_CICAR

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/srd5a-mouse-elisa-kits/steroid-5-alpha-reductase/86227>