

Mouse 11-Beta-Hydroxysteroid Dehydrogenase Type 2 (HSD11b2) ELISA Kit | HSD11b2 elisa kit

Mouse 11-Beta-Hydroxysteroid Dehydrogenase Type 2 (HSD11b2)(Sandwich ELISA) Mini sample ELISA Kit

CATALOG # AAA152510	REACTIVITY Mouse
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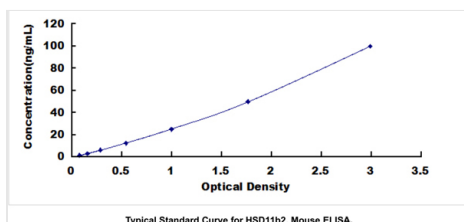
PRODUCT SYNONYMS

11-Beta-Hydroxysteroid Dehydrogenase Type 2 (HSD11b2); Mouse 11-Beta-Hydroxysteroid Dehydrogenase Type 2 (HSD11b2)(Sandwich ELISA) Mini sample ELISA Kit; Mini Samples ELISA Kit for 11-Beta-Hydroxysteroid Dehydrogenase Type 2 (HSD11b2); AME; AME1; HSD11K; HSD2; SDR9C3; Short Chain Dehydrogenase/Reductase Family 9C; Member 3; NAD-dependent 11-beta-hydroxysteroid dehydrogenase; HSD11b2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of HSD11b2. No significant cross-reactivity or interference between HSD11b2 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.63ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HSD11b2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HSD11b2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSD11b2 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to HSD11b2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to HSD11b2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain HSD11b2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of HSD11b2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HSD11b2 in mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	42490824
NCBI GeneID	15484
UniProt Accession #	P51661; Q91WK3
Molecular Weight	42,187 Da
NCBI Official Full Name	Hsd11b2 protein
NCBI Official Synonym Full Names	hydroxysteroid 11-beta dehydrogenase 2
NCBI Official Symbol	Hsd11b2
NCBI Official Synonym Symbols	11HSD2
NCBI Protein Information	corticosteroid 11-beta-dehydrogenase isozyme 2; 11-DH2; 11-beta-HSD2; 11(beta)-HSD2; 11-beta-hydroxysteroid dehydrogenase type 2; NAD-dependent 11-beta-hydroxysteroid dehydrogenase
UniProt Protein Name	Corticosteroid 11-beta-dehydrogenase isozyme 2
UniProt Gene Name	Hsd11b2
UniProt Synonym Gene Names	Hsd11k; 11-DH2
UniProt Entry Name	DHI2_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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/11-beta-hydroxysteroid-dehydrogenase-type-2-hsd11b2/152510>