

Bovine Corticosteroid 11-beta-dehydrogenase isozyme 2 (HSD11B2) ELISA Kit | HSD11B2 elisa kit

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CATALOG # AAA246165	REACTIVITY Bovine
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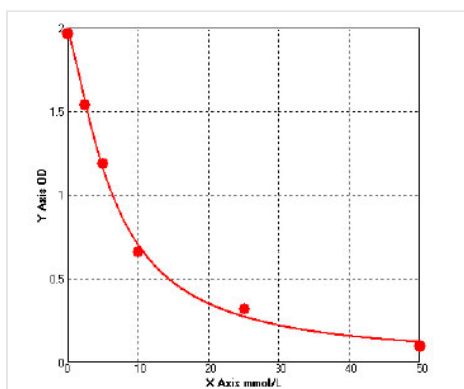
PRODUCT SYNONYMS

Corticosteroid 11-beta-dehydrogenase isozyme 2 (HSD11B2); Bovine Corticosteroid 11-beta-dehydrogenase isozyme 2 (HSD11B2) ELISA Kit; HSD11B2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of HSD11beta2. No significant cross-reactivity or interference between HSD11beta2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HSD11beta2 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 mmol/L
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSD11B2 elisa kit	Intended Uses: This HSD11beta2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine HSD11beta2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: HSD11beta2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-HSD11beta2 antibody and an HSD11beta2-HRP conjugate. The assay sample and buffer are incubated together with HSD11beta2-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 HSD11beta2 concentration since HSD11beta2 from samples and HSD11beta2-HRP conjugate compete for the anti-HSD11beta2 antibody binding site. Since the number of sites is limited, as more sites are occupied by HSD11beta2 from the sample, fewer sites are left to bind HSD11beta2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSD11beta2 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119392083
NCBI GeneID	3291
NCBI Accession #	NP_000187.3
NCBI GenBank Nucleotide #	NM_000196.3
Molecular Weight	44,127 Da
NCBI Official Full Name	corticosteroid 11-beta-dehydrogenase isozyme 2
NCBI Official Synonym Full Names	hydroxysteroid (11-beta) dehydrogenase 2
NCBI Official Symbol	HSD11B2
NCBI Official Synonym Symbols	AME; AME1; HSD2; HSD11K; SDR9C3
NCBI Protein Information	corticosteroid 11-beta-dehydrogenase isozyme 2; 11-DH2; 11-beta-HSD2; -HSD11 type II; 11-beta-hydroxysteroid dehydrogenase type 2; 11-beta-hydroxysteroid dehydrogenase type II; NAD-dependent 11-beta-hydroxysteroid dehydrogenase; short chain dehydrogenase/reductase family 9C member 3
UniProt Protein Name	Corticosteroid 11-beta-dehydrogenase isozyme 2
UniProt Gene Name	HSD11B2
UniProt Synonym Gene Names	HSD11K; 11-DH2; 11-beta-HSD2; -HSD11 type II; 11-beta-HSD
UniProt Entry Name	DHI2_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/bovine-ovine-elisa-kits/corticosteroid-11-beta-dehydrogenase-isozyme-2-hsd11b2/246165>