

Mouse Aldose reductase, AKR1B1 ELISA Kit | AKR1B1 elisa kit

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CATALOG #
AAA123305

REACTIVITY
Mouse

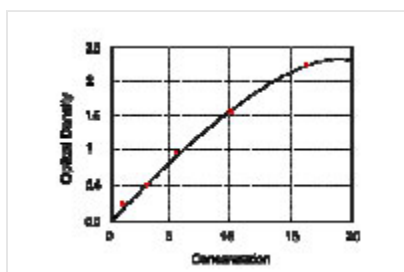
PRODUCT SYNONYMS

Aldose reductase; AKR1B1; Mouse Aldose reductase; AKR1B1 ELISA Kit; AKR1B1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	315
Samples	Serum, plasma, cell culture supernates, ascites, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.05-20ng/mL
Sensitivity	0.022ng/mL
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AKR1B1 elisa kit

Intended Uses: This sandwich kit is for the accurate quantitative detection of Mouse Aldose reductase (also known as AKR1B1) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.

Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Mouse AKR1B1 antibody. AKR1B1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Mouse AKR1B1 Antibody is added and binds to AKR1B1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated AKR1B1 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Mouse AKR1B1. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	113594
UniProt Accession #	P16116
NCBI Official Full Name	Aldose reductase
UniProt Protein Name	Aldose reductase
UniProt Gene Name	AKR1B1
UniProt Synonym Gene Names	AR; 20-alpha-HSD

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/aldose-reductase-akr1b1/123305>