

Rat Aldose reductase ELISA Kit | Akr1b1 elisa kit

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CATALOG #
AAA191617

REACTIVITY
Rat

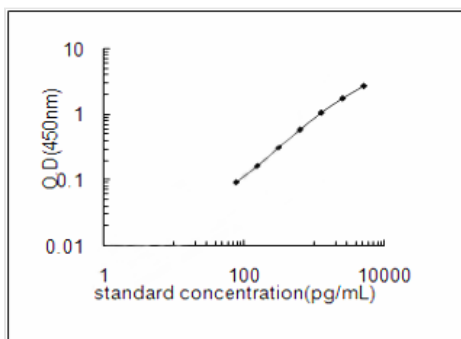
PRODUCT SYNONYMS

Aldose reductase; Rat Aldose reductase ELISA Kit; AR; Aldehyde reductase; Akr1b1; Akr1b4; Aldr1; 1.1.1.21; Akr1b1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	316
Samples	Serum, Plasma, Tissue Homogenates, Cell Culture Supernates Or Other Biological Fluids.
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 Akr1b1 elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then 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 target antigen, 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 target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978491
NCBI GeneID	24192
NCBI Accession #	NP_036630.1

NCBI GenBank Nucleotide #	NM_012498.1
UniProt Accession #	P07943
Molecular Weight	35,797 Da
NCBI Official Full Name	aldose reductase
NCBI Official Synonym Full Names	aldo-keto reductase family 1, member B1 (aldose reductase)
NCBI Official Symbol	Akr1b1
NCBI Official Synonym Symbols	Alr; Aldr1; ALDRED; Akr1b3; Akr1b4; ALR-P-I; RATALDRED
NCBI Protein Information	aldose reductase
UniProt Protein Name	Aldose reductase
UniProt Gene Name	Akr1b1
UniProt Synonym Gene Names	Akr1b4; Aldr1; AR
UniProt Entry Name	ALDR_RAT

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/akr1b1-rat-elisa-kits/aldose-reductase/191617>