

Human Aldose reductase (AR) ELISA Kit | AR elisa kit

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CATALOG #
AAA43849

REACTIVITY
Human

PRODUCT SYNONYMS

Aldose reductase (AR); Human Aldose reductase (AR) ELISA Kit; AR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	172
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.5ng/ml - 100ng/ml
Sensitivity	0.27ng/ml
Intra-Assay	CV<8%
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 AR elisa kit

Intended Uses: This sandwich kit is for the accurate quantitative detection of human Aldose Reductase (also known as AR) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

Principles of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human AR antibody. AR present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human AR Antibody is added and binds to AR in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated AR 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 human AR. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1070575232
NCBI GeneID	231
NCBI Accession #	NP_001333071.1
NCBI GenBank Nucleotide #	NM_001346142.1
Molecular Weight	35,853 Da
NCBI Official Full Name	aldose reductase isoform 2
NCBI Official Synonym Full Names	aldo-keto reductase family 1 member B
NCBI Official Symbol	AKR1B1
NCBI Official Synonym Symbols	AR; ADR; ALR2; ALDR1
NCBI Protein Information	aldose reductase
UniProt Protein Name	Aldose reductase
UniProt Gene Name	AKR1B1
UniProt Synonym Gene Names	ALDR1; AR

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/human-elisa-kits/aldose-reductase-ar/43849>