# AKR1B10 (Human) ELISA Kit

Catalog # KA6050 Size 1 Kit

# Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification	
Product Description	AKR1B10 (Human) ELISA Kit is a competitive enzyme-linked immunosorbent assay for quantitative measurement of human AKR1B10 in cell culture and cell lysate.
Suitable Sample	cell culture and cell lysate
Sample Volume	50 uL
Label	Peroxidase-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0.156 to 10 ng/mL
Reactivity	Human
Regulatory Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed.



**Storage Instruction** 

Store components of the kit at 4°C or -20°C as described in the protocol.

# Applications

Quantification

### Gene Info — AKR1B10

Entrez GenelD	<u>57016</u>
Protein Accession#	<u>O60218</u>
Gene Name	AKR1B10
Gene Alias	AKR1B11, AKR1B12, ALDRLn, ARL-1, ARL1, HIS, HSI, MGC14103
Gene Description	aldo-keto reductase family 1, member B10 (aldose reductase)
Omim ID	<u>604707</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more tha n 40 known enzymes and proteins. This member can efficiently reduce aliphatic and aromatic ald ehydes, and it is less active on hexoses. It is highly expressed in adrenal gland, small intestine, an d colon, and may play an important role in liver carcinogenesis. [provided by RefSeq
Other Designations	aldo-keto reductase family 1, member B10 aldo-keto reductase family 1, member B11 (aldose re ductase-like) aldose reductase-like 1 aldose reductase-like peptide aldose reductase-related prot ein small intestine reductase

### Pathway

- Bisphenol A degradation
- Butanoate metabolism
- Fructose and mannose metabolism
- Linoleic acid metabolism
- Metabolic pathways
- Tetrachloroethene degradation



#### Disease

- <u>Cardiovascular Diseases</u>
- Diabetes Mellitus
- Diabetic Nephropathies
- Diabetic Retinopathy
- Disease Progression
- Edema
- Genetic Predisposition to Disease