

Human Aflatoxin B1 aldehyde reductase member 4 (AKR7L) ELISA Kit | AKR7L elisa kit

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CATALOG #
AAA246209

REACTIVITY
Human

PRODUCT SYNONYMS

Aflatoxin B1 aldehyde reductase member 4 (AKR7L); Human Aflatoxin B1 aldehyde reductase member 4 (AKR7L) ELISA Kit; AKR7L elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AKR7L elisa kit

Intended Uses: This AKR7L ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AKR7L. This ELISA kit for research use only!

Principle of the Assay||AKR7L ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AKR7L antibody and an AKR7L-HRP conjugate. The assay sample and buffer are incubated together with AKR7L-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 AKR7L concentration since AKR7L from samples and AKR7L-HRP conjugate compete for the anti-AKR7L antibody binding site. Since the number of sites is limited, as more sites are occupied by AKR7L from the sample, fewer sites are left to bind AKR7L-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AKR7L concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	294862545
NCBI GeneID	246181
Molecular Weight	16,724 Da

NCBI Official Full Name	Aflatoxin B1 aldehyde reductase member 4
NCBI Official Synonym Full Names	aldo-keto reductase family 7-like
NCBI Official Symbol	AKR7L
NCBI Official Synonym Symbols	AFAR3; AKR7A4; AFB1-AR3
UniProt Protein Name	Aflatoxin B1 aldehyde reductase member 4
UniProt Gene Name	AKR7L
UniProt Synonym Gene Names	AFAR3; AKR7A4; AFB1-AR 3
UniProt Entry Name	ARK74_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/aflatoxin-b1-aldehyde-reductase-member-4-akr7l/246209>