

Mouse Arachidonate 15-lipoxygenase B (ALOX15B) ELISA Kit | ALOX15B elisa kit

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CATALOG #
AAA246219

REACTIVITY
Mouse

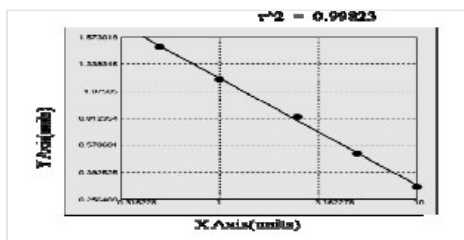
PRODUCT SYNONYMS

Arachidonate 15-lipoxygenase B (ALOX15B); Mouse Arachidonate 15-lipoxygenase B (ALOX15B) ELISA Kit; ALOX15B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/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 ALOX15B elisa kit

Intended Uses: This ALOX15B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ALOX15B. This ELISA kit for research use only!

Principle of the Assay: ALOX15B ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ALOX15B antibody and an ALOX15B-HRP conjugate. The assay sample and buffer are incubated together with ALOX15B-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 ALOX15B concentration since ALOX15B from samples and ALOX15B-HRP conjugate compete for the anti-ALOX15B antibody binding site. Since the number of sites is limited, as more sites are occupied by ALOX15B from the sample, fewer sites are left to bind ALOX15B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ALOX15B concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

23463277

NCBI GeneID	266604
NCBI Accession #	NP_695213.1
NCBI GenBank Nucleotide #	NM_153301.2
Molecular Weight	76,145 Da
NCBI Official Full Name	arachidonate 15-lipoxygenase B
NCBI Official Synonym Full Names	arachidonate 15-lipoxygenase, type B
NCBI Official Symbol	Alox15b
NCBI Protein Information	arachidonate 15-lipoxygenase B; 15-LOX-2; 15-LOX-B; 15-lipoxygenase 2; linoleate 13-lipoxygenase 15-LOb; arachidonate 15-lipoxygenase type II; arachidonate 15-lipoxygenase, second type
UniProt Protein Name	Arachidonate 15-lipoxygenase B
UniProt Gene Name	Alox15b
UniProt Synonym Gene Names	15-LOX-B; 15-LOX-2
UniProt Entry Name	LX15B_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/mouse-elisa-kits/arachidonate-15-lipoxygenase-b-alox15b/246219>