

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

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CATALOG #
AAA245091

REACTIVITY
Human

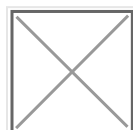
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ALOX15B. No significant cross-reactivity or interference between ALOX15B and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ALOX15B and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Intended Uses	This ALOX15B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ALOX15B. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALOX15B elisa kit

Principle of the Assay: ALOX15B ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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.

Intended Uses: This ALOX15B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ALOX15B. This ELISA kit for research use only, not for therapeutic or test applications!

NCBI AND UNIPROT INFORMATION

NCBI GI #	317373425
NCBI GeneID	247
Molecular Weight	72,523 Da
NCBI Official Full Name	Arachidonate 15-lipoxygenase B
NCBI Official Synonym Full Names	arachidonate 15-lipoxygenase, type B
NCBI Official Symbol	ALOX15B
NCBI Official Synonym Symbols	15-LOX-2
NCBI Protein Information	arachidonate 15-lipoxygenase B; 15-LOX-B; 15S-lipoxygenase; arachidonate 15-lipoxygenase 2; linoleate 13-lipoxygenase 15-LOb; arachidonate omega(6) lipoxygenase; 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_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/arachidonate-15-lipoxygenase-b-alox15b/245091>