

Rat Arachidonate 5-lipoxygenase-activating protein (ALOX5AP) ELISA Kit | ALOX5AP elisa kit

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CATALOG # AAA244344	REACTIVITY Rat
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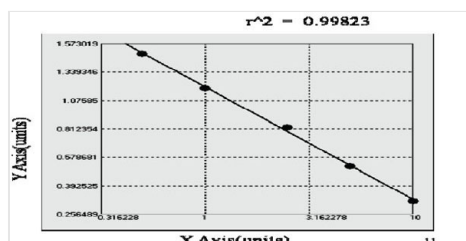
PRODUCT SYNONYMS

Arachidonate 5-lipoxygenase-activating protein (ALOX5AP); Rat Arachidonate 5-lipoxygenase-activating protein (ALOX5AP) ELISA Kit; ALOX5AP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This ALOX5AP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ALOX5AP. 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 ALOX5AP elisa kit

Principle of the assay: ALOX5AP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ALOX5AP antibody and an ALOX5AP-HRP conjugate. The assay sample and buffer are incubated together with ALOX5AP-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 ALOX5AP concentration since ALOX5AP from samples and ALOX5AP-HRP conjugate compete for the anti-ALOX5AP antibody binding site. Since the number of sites is limited, as more sites are occupied by ALOX5AP from the sample, fewer sites are left to bind ALOX5AP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ALOX5AP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119628872
NCBI GeneID	241
Molecular Weight	18,157 Da
NCBI Official Full Name	arachidonate 5-lipoxygenase-activating protein
NCBI Official Synonym Full Names	arachidonate 5-lipoxygenase-activating protein
NCBI Official Symbol	ALOX5AP
NCBI Official Synonym Symbols	FLAP
NCBI Protein Information	arachidonate 5-lipoxygenase-activating protein; MK-886-binding protein
UniProt Protein Name	Arachidonate 5-lipoxygenase-activating protein
UniProt Gene Name	ALOX5AP
UniProt Synonym Gene Names	FLAP
UniProt Entry Name	AL5AP_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/rat-elisa-kits/arachidonate-5-lipoxygenase-activating-protein-alox5ap/244344>