

Datasheet for ABIN2042935  
**ALOX12 ELISA Kit**



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## Overview

Quantity:	96 tests
Target:	ALOX12
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.31-20 ng/mL
Minimum Detection Limit:	0.31 ng/mL
Application:	ELISA

## Product Details

Brand:	BioAssay™
Detection Method:	Colorimetric
Sensitivity:	< 0.116 ng/mL

## Target Details

Target:	ALOX12
Alternative Name:	Arachidonate-12-Lipoxygenase (ALOX12) ( <a href="#">ALOX12 Products</a> )
Pathways:	<a href="#">Positive Regulation of Endopeptidase Activity</a>

## Application Details

Plate:	Pre-coated
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## Application Details

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**Protocol:** Arachidonate-12-Lipoxygenase (ALOX12) BioAssay-ELISA Kit (Human) is a Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Arachidonate-12-Lipoxygenase (ALOX12). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Arachidonate-12-Lipoxygenase (ALOX12). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Arachidonate-12-Lipoxygenase (ALOX12), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of  $450\text{nm} \pm 10\text{nm}$ . The concentration of Arachidonate-12-Lipoxygenase (ALOX12) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

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**Restrictions:** For Research Use only

## Handling

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**Storage:** 4 °C/-20 °C