

ALOX12 Antibody, Biotin conjugated



PACO58688

Product Information

Size:

50ug

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA

Recommended dilutions:**Protein Background:**

Non-heme iron-containing dioxygenase that catalyzes the stereo-specific peroxidation of free and esterified polyunsaturated fatty acid, generating a spectrum of bioactive lipid mediators. Mainly converts arachidonic acid, to (12S)-hydroperoxyeicosatetraenoic acid, (12S)-HPETE but can also metabolize linoleic acid, Has a dual activity since it also converts leukotriene A4/LTA4 into both the bioactive lipoxin A4/LXA4 and lipoxin B4/LXB4. Through the production of specific bioactive lipids like (12S)-HPETE it regulates different biological processes including platelet activation. It also probably positively regulates angiogenesis through regulation of the expression of the vascular endothelial growth factor. Plays a role in apoptotic process, promoting the survival of vascular smooth muscle cells for instance. May also play a role in the control of cell migration and proliferation.

Gene ID:

ALOX12

Uniprot

P18054

Synonyms:

Arachidonate 12-lipoxygenase, 12S-type (12S-LOX) (12S-lipoxygenase) (EC 1.13.11.31) (Lipoxin synthase 12-LO) (EC 3.3.2) (Platelet-type lipoxygenase 12), ALOX12, 12LO LOG12

Immunogen:

Recombinant Human Arachidonate 12-lipoxygenase, 12S-type protein (508-658AA).

Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

Product Images

N/A

N/A