

## Anti-15 Lipoxygenase 2 Antibody (3T506)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3T506
Purification:	Protein A

### Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Recombinant Protein: Human ALOX15B / 15 Lipoxygenase 2 Protein (TMPY-03462)
Antigen Species:	Human
Synonyms:	15-LOX-2;arachidonate 15-lipoxygenase, type B;ALOX15B

### Research Background

ALOX15B is a member of the lipoxygenase family of structurally related nonheme iron dioxygenases involved in the production of fatty acid hydroperoxides. ALOX15B converts arachidonic acid exclusively to 15S-hydroperoxyeicosatetraenoic acid, while metabolizing linoleic acid less effectively. ALOX15B gene is located in a cluster of related genes and a pseudogene that spans approximately 1 kilobases on the short arm of chromosome 17. Alternatively spliced transcript variants encoding different isoforms have been described.

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