

ALOX15B Polyclonal Antibody Cy5 Conjugated

Catalog No: #C06356Cy5

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Description

Product Name	ALOX15B Polyclonal Antibody Cy5 Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 5-55 676 derived from human ALOX15B 15 Lipoxygenase 2
Conjugates	Cy5
Target Name	ALOX15B
Other Names	15-LOX-2; Arachidonate 15-lipoxygenase B; 15-LOX-B; 15-lipoxygenase 2; Arachidonate 15-lipoxygenase type II; Linoleate 13-lipoxygenase 15-LOb; ALOX15B
Accession No.	Swiss-Prot#:O15296NCBI Gene ID:247
Uniprot	O15296
GeneID	247;
Excitation Emission	625,650nm 670nm
Cell Localization	Cytoplasm, Nucleus
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IF=1:50-200

Background

Non-heme iron-containing dioxygenase that catalyzes the stereo-specific peroxidation of free and esterified polyunsaturated fatty acids generating a spectrum of bioactive lipid mediators. Converts arachidonic acid to 15S-hydroperoxyeicosatetraenoic acid (15S)-HPETE. Also acts on linoleic acid to produce 13-hydroxyoctadecadienoic acid 13-HPODE. Has no detectable 8S-lipoxygenase activity but reacts with (8S)-HPETE to produce (8S,15S)-diHPETE. May regulate progression through the cell cycle and cell proliferation. May also regulate cytokine secretion by macrophages and therefore play a role in the immune response. May also regulate macrophage differentiation into proatherogenic foam cells.

Note: This product is for in vitro research use only