

5-Lipoxygenase(Phospho-Ser271) Antibody FITC Conjugated

Catalog No: #C04575F

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Description

Product Name	5-Lipoxygenase(Phospho-Ser271) Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	HuB MsB RtB
Immunogen Description	KLH conjugated synthetic phosphopeptide derived from rat 5-Lipoxygenase around the phosphorylation site of Ser271
Conjugates	FITC
Target Name	5-Lipoxygenase Ser271
Other Names	5-lipoxygenase; 5 LO; 5LPG; ALOX 5; ALOX5; Arachidonate 5 lipoxygenase; Arachidonic acid 5 lipoxygenase; Leukotriene A4 synthase; LOG 5; LOG5; MGC163204; LOX5_HUMAN.
Accession No.	NCBI Gene ID240
Uniprot	P09917
GeneID	240;
Excitation Emission	494nm 518nm
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=1:50-200B

Background

This gene encodes a member of the lipoxygenase gene family and plays a dual role in the synthesis of leukotrienes from arachidonic acid. The encoded protein, which is expressed specifically in bone marrow-derived cells, catalyzes the conversion of arachidonic acid to 5(S)-hydroperoxy-6-trans-8,11,14-cis-eicosatetraenoic acid, and further to the allylic epoxide 5(S)-trans-7,9-trans-11,14-cis-eicosatetraenoic acid (leukotriene A4). Leukotrienes are important mediators of a number of inflammatory and allergic conditions. Mutations in the promoter region of this gene lead to a diminished response to antileukotriene drugs used in the treatment of asthma and may also be associated with atherosclerosis and several cancers. Alternatively spliced transcript variants have been observed, but their full-length nature has not been determined.

Note: This product is for in vitro research use only