

Recombinant

DGRmAb®

**5 Lipoxygenase (DGR14745) Rabbit mAb**

db15240

Package : 10µL 20µL 50µL 100µL

**Product Name** : 5 Lipoxygenase (DGR14745) Rabbit mAb**Cat.No.:** db15240**Synonyms** : 5-LO; 5LPG; LOG5; 5-LOX**Application** : WB, IHC-P, ICC/IF, FC**Reactivity** : Human,Rat**Host species** : Rabbit**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 encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]

**Immunogen**

A synthetic peptide of human 5 Lipoxygenase

**Gene ID**

240

**Swiss Prot**

P09917

**Synonyms**

5-LO; 5LPG; LOG5; 5-LOX

**Reactivity**

Human,Rat

**Application**

WB, IHC-P, ICC/IF, FC

**Recommended dilution**WB: 1:1000  
IHC-P: 1:100  
ICC/IF: 1:100  
FC: 1:100**Calculated MW**

78 kDa

**Observed MW**

78 kDa

**Host species**

Rabbit

Clonality	Monoclonal
Clonality No.	DGR14745
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

