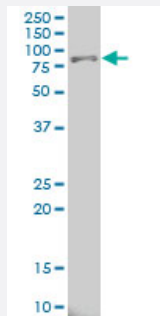


ALOX15 monoclonal antibody (M04), clone 3D8

Catalog # H00000246-M04

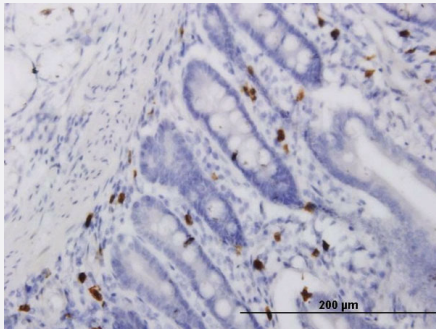
Size 100 ug

Applications



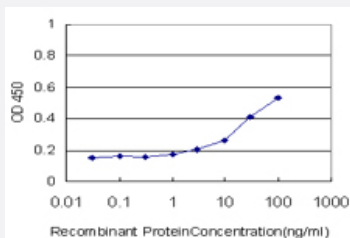
Western Blot (Cell lysate)

ALOX15 monoclonal antibody (M04), clone 3D8 Western Blot analysis of ALOX15 expression in Hela S3 NE (Cat # L013V3).



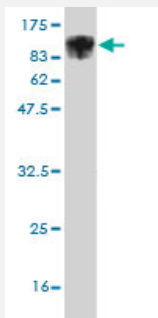
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ALOX15 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 1.5 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ALOX15 is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (98.56 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant ALOX15.
Immunogen	ALOX15 (AAH29032, 1 a.a. ~ 662 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MGLYRIRVSTGASLYAGSNNQVQLWLVGQHGEAALGKRLWPARGKETELKVEVPEYLGPLL FVK LRKRHLLKDDAWFCNWISVQGPAGDEVRFPCYRWVEGNGVLSLPEGTGRTVGEDPQGLFQK HREEELEERRKLYRWGNWKDGLILNMAGAKLYDLPVDERFLEDKRVDFEVSLAKGLADLAIKDSL NVLTCWKDLDDFNRFWCGQSKLAERVRSWKEDALFGYQFLNGANPVVLRSAHLPARLVFP PGMEELQAQLEKELEGGTLFEADFSLLDGIKANVILCSQQHLAAPLVMLKLQPDGKLLPMVIQLQL PRTGSPPPPLFLPTDPPMAWLLAKCWVRSSDFQLHELQSHLLRGHLMAEVIVVATMRCCLPSIHPI FKLIIPHLRYTLEINVRARTGLVSDMGIFDQIMSTGGGGHVQLLKQAGAFITYSSFCPPDDLADRGL LGVKSSFYQDALRLWEIMRYVEGIVSLHYKTDVAVKDDPELQTWCREITEIGLQGAQDRGFPVSL QARDQVCHFVTMCIFTCTGQHASVHLGQLDWYSWVPNAPCTMRLPPPTTKDATLETVMATLPNF HQAQLQMSITWQLGRRQPMVAVGQHEEEYFSGPEPKAVLKKFREELAALDKEIEIRNAKLDMPY EYLRPSVVENSVAI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (73); Rat (74)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (98.56 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

ALOX15 monoclonal antibody (M04), clone 3D8 Western Blot analysis of ALOX15 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ALOX15 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 1.5 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ALOX15 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ALOX15

Entrez GeneID	246
GeneBank Accession#	BC029032
Protein Accession#	AAH29032
Gene Name	ALOX15
Gene Alias	15-LOX-1
Gene Description	arachidonate 15-lipoxygenase
Omim ID	152392
Gene Ontology	Hyperlink
Other Designations	-

Publication Reference

- [Expression and localization of prostaglandin receptors and stromal factors in human cervix-Variations in pregnant and non-pregnant states.](#)

Blesson CS, Roos N, Stephansson O, Masironi B, Reinert S, Stjernholm YV, Ekman-Ordeberg G, Sahlin L.

Open Journal of Molecular and Integrative Physiology 2013 Nov; 3:147.

Application: IHC, Human, Cervical

- [Systematic analysis of rat 12/15-lipoxygenase enzymes reveals critical role for spinal eLOX3 hepoxilin synthase activity in inflammatory hyperalgesia.](#)

Gregus AM, Dumlao DS, Wei SC, Norris PC, Catella LC, Meyerstein FG, Buczynski MW, Steinauer JJ, Fitzsimmons BL, Yaksh TL, Dennis EA.

The FASEB Journal 2013 May; 27(5):1939.

Application: WB, Rat, rat spinal cord

- [Differential Expression and Localization of 12/15 Lipoxygenases in Adipose Tissue in Human Obese Subjects.](#)

Dobrian AD, Lieb DC, Ma Q, Lindsay JW, Cole BK, Ma K, Chakrabarti SK, Kuhn NS, Wohlgemuth SD, Fontana M, Nadler JL.

Biochemical and Biophysical Research Communications 2010 Dec; 403(3-4):485.

Application: IHC-P, Human, Adipose tissue

- [Selective survival rescue in 15-lipoxygenase-1 deficient retinal pigment epithelial cells by the novel docosahexaenoic acid-derived mediator, neuroprotectin D1.](#)

Calandria JM, Marcheselli VL, Mukherjee PK, Uddin J, Winkler JW, Petasis NA, Bazan NG.

The Journal of Biological Chemistry 2009 Jun; 284(26):17877.

Application: IF, WB, Human, ARPE-19 cells

Pathway

- [Arachidonic acid metabolism](#)
- [Linoleic acid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Alzheimer disease](#)
- [Asthma](#)

- [Atherosclerosis](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Bronchial Hyperreactivity](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Drug Hypersensitivity](#)
- [Edema](#)
- [Endometriosis](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
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- [Kidney Neoplasms](#)
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- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metabolic Syndrome X](#)

- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Pulmonary Disease](#)
- [Stroke](#)
- [Thrombosis](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)