

Datasheet

ALOX15 monoclonal antibody (M04), clone 3D8

Catalog Number: H00000246-M04

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant ALOX15.

Clone Name: 3D8

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:

MGLYRIRVSTGASLYAGSNNQVQLWLVGQHGEAALG
KRLWPARGKETELKVEVPEYLGPLL FVKLRKRHLLKD
DAWFCNWISVQGPAGDEVRFPCYRWVEGNGVLSL
PEGTGRTVGEDPQGLFQKHREEELEERRKLYRWGN
WKDGLILNMAGAKLYDLPVDERFLEDKRVDFEVSLAK
GLADLAIKDSLNVLTWCWKLDDFNRFWCGQSKLAER
VRDSWKEDALFGYQFLNGANPVVLRSSAHLPARLVFP
PGMEELQAQLEKELEGGTLFEADFSLLDGIKANVILCS
QQHLAAPLVMLKLQPDGKLLPMVIQLQLPRTGSPPPPL
FLPTDPPMAWLLAKCWVRSSDFQLHELQSHLLRGHL
MAEVIVVATMRCLPSIHPIFKLIIPHLRYTLEINVRARTGL
VSDMGIFDQIMSTGGGGHVQLLKQAGAFITYSSFCPP
DDLADRGLLGVKSSFYPQDALRLWEIYRYVEGIVSLH
YKTDVAVKDDPELQTWCREITEIGLQGAQDRGFPVSL
QARDQVCHFVTMCIPTCTGQHASVHLGQLDWYSWVP
NAPCTMRLPPPTTKDATLETVMATLPNFHQASLQMSIT
WQLGRRQPMVAVGQHEEEYFSGPEPKAVLKKFREE
LAALDKEIEIRNAKLDMPYEYLRPSVVENSVAI

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC-P, S-ELISA, WB-Ce, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product
page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 246

Gene Symbol: ALOX15

Gene Alias: 15-LOX-1, 15-LOX2

References:

1. 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, 3, 147-157.
2. 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 FASEB J. 2013 May;27(5):1939-49. doi: 10.1096/fj.12-217414. Epub 2013 Feb 4.
3. 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. Biochem Biophys Res Commun. 2010 Nov 19. [Epub ahead of print]