

Product Datasheet

15-Lipoxygenase 1 Antibody (3D8) - Azide and BSA Free H00000246-M04

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/H00000246-M04

Updated 2/21/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/H00000246-M04



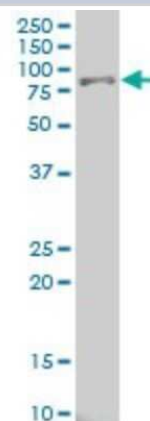
H00000246-M04**15-Lipoxygenase 1 Antibody (3D8) - Azide and BSA Free**

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3D8
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	246
Gene Symbol	ALOX15
Species	Human, Rat
Specificity/Sensitivity	arachidonate 15-lipoxygenase
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. MGLYRIRVSTGASLYAGSNNQVQLWLVGQHGEAALGKRLWPARGKETELKVE VPEYLGPLL FVKLRKRHLLKDDAWFCNWISVQGPAGDEVRFPCYRWVEGNG VLSLPEGTGRTVGEDPQGLFQKHREEELEERRKLYRWGNWKDGLILNMAGAK LYDLPVDERFLEDKRVDFEVSLAKGLADLAIKDSLNVLTCTWKDLDDFNRIWCG QSKLAERVDSWKEDALFGYQFLNGANPVVLRSAHLPARLVFPPGMEELQA QLEKELEGGTLFEADFSLLDGIKANVILCSQQHLAAPLVMLKLQPDGKLLPMVIQ LQLPRTGSPPPPLFLPTDPPMAWLLAKCWVRSSDFQLHELQSHLLRGHLMAE VIVVATMRCLPSIHPIFKLIIPHLRYTLEINVRARTGLVSDMGIFDQIMSTGGGGH VQLLKQAGAFITYSSFCPPDDLADRGLLGVKSSFYPQDALRLWEIYRYVEGIV SLHYKTDVAVKDDPELQTWCREITEIGLQGAQDRGFPVSLQARDQVCHFVTMC IFTCTGQHASVHLGQLDWYSWVPNAPCTMRLPPPTTKDATLETVMATLPNFHQ ASLQMSITWQLGRRQPVMVAVGQHEEEYFSGPEPKAVLKKFREELAALDKEIEI RNAKLDMPYEYLRPSVVENSVAI
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IHC-P and ELISA.

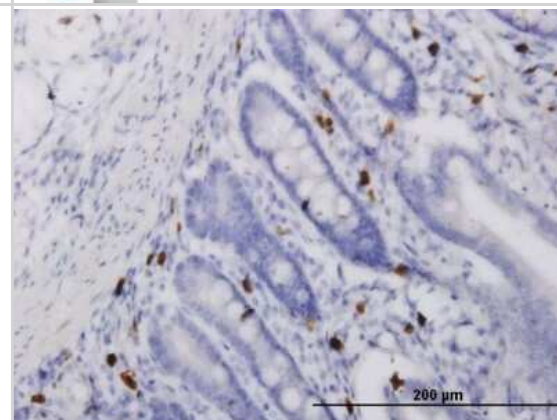


Images

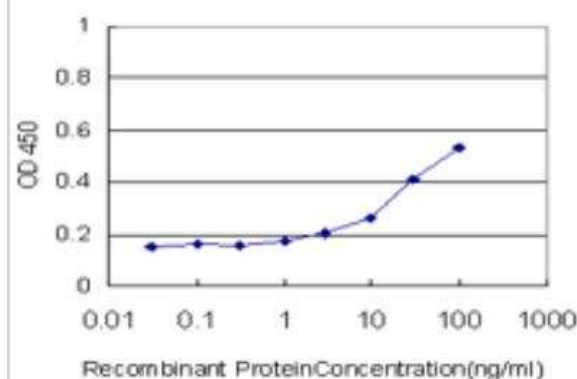
Western Blot: 15-Lipoxygenase 1 Antibody (3D8) [H00000246-M04] - Analysis of ALOX15 expression in Hela S3 NE (Cat # L013V3).



Immunohistochemistry-Paraffin: 15-Lipoxygenase 1 Antibody (3D8) [H00000246-M04] - Analysis of monoclonal antibody to ALOX15 on formalin-fixed paraffin-embedded human small Intestine. Antibody concentration 1.5 ug/ml



ELISA: 15-Lipoxygenase 1 Antibody (3D8) [H00000246-M04] - Detection limit for recombinant GST tagged ALOX15 is approximately 3ng/ml as a capture antibody.



Publications

Blesson CS, Roos N, Stephansson O et al. Expression and localization of prostaglandin receptors and stromal factors in human cervix? variations in pregnant and non-pregnant states. Open Journal of Molecular and Integrative Physiology 2013-10-17 (IF/IHC, Human)

Calandria JM, Marcheselli VL, Mukherjee PK et al. Selective survival rescue in 15-lipoxygenase-1 deficient retinal pigment epithelial cells by the novel docosahexaenoic acid-derived mediator, neuroprotectin D1. J Biol Chem. 2009-04-29 [PMID: 19403949]

Gregus AM, Dumlao DS, Wei SC et al. Systematic analysis of rat 12/15-lipoxygenase enzymes reveals critical role for spinal eLOX3 hepoxilin synthase activity in inflammatory hyperalgesia. FASEB J 2013-02-04 [PMID: 23382512]

Dobrian AD, Lieb DC, Ma Q et al. Differential expression and localization of 12/15 lipoxygenases in adipose tissue in human obese subjects. Biochem Biophys Res Commun;403(3-4):485-90. 2010-12-17 [PMID: 21094135]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to H00000246-M04

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00000246-P01-10ug	Recombinant Human 15-Lipoxygenase 1 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/H00000246-M04

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

