

Product Datasheet

CD36 Antibody (FA6-152) - Azide Free NB600-1423

Unit Size: 0.05 mg

Store at 4C.

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Publications: 13

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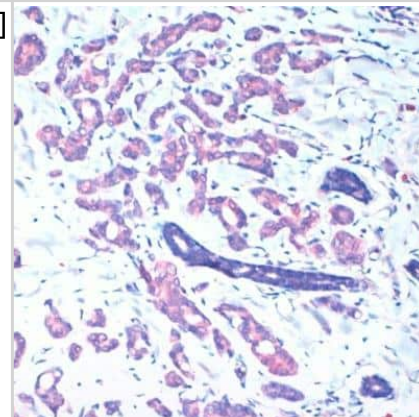
NB600-1423

CD36 Antibody (FA6-152) - Azide Free

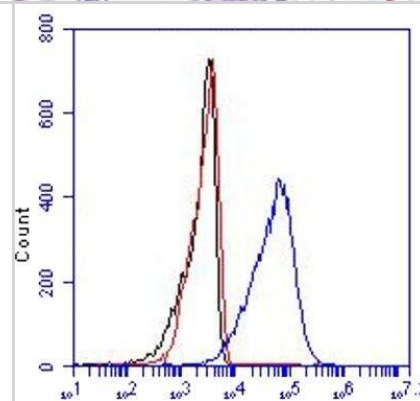
Product Information	
Unit Size	0.05 mg
Concentration	0.1 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	FA6-152
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS containing 0.1% BSA
Target Molecular Weight	110 kDa
Product Description	
Description	Novus Biologicals Mouse CD36 Antibody (FA6-152) - Azide Free (NB600-1423) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. Anti-CD36 Antibody: Cited in 12 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	948
Gene Symbol	CD36
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 24441829). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Marker	Endothelial Cell Marker
Specificity/Sensitivity	CD36 (FA6-152)
Immunogen	20-Weeks-old fetal erythrocytes
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Functional, Immunoassay, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 2 ug/10 ⁵ cells, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 10 ug antibody/200 ug protein, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen 1:10-1:500, Functional >1 ug/ml, Immunoassay 10 ug/ml
Application Notes	Use in western blot reported in scientific literature (PMID 24441829) BL: Use at an assay dependent dilution (blocks collagen/thrombospondin binding. WB: Predicted molecular weight: 88 kDa. Optimal dilutions/concentrations should be determined by the end user.

Images

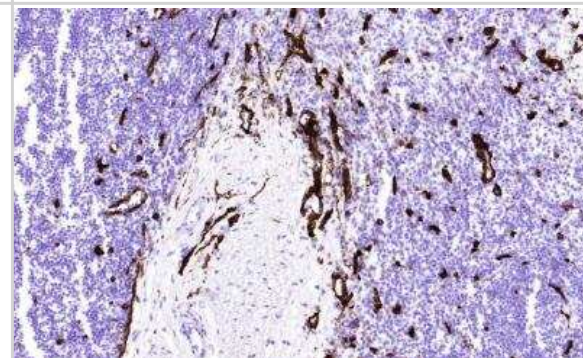
Immunohistochemistry-Paraffin: CD36 Antibody (FA6-152) [NB600-1423]
- CD36, Human



Flow Cytometry: CD36 Antibody (FA6-152) [NB600-1423] - CD36,
Human



Immunohistochemistry-Frozen: CD36 Antibody (FA6-152) [NB600-1423]
- Frozen section of tonsil tissue. Staining especially in vascular
endothelia.



Publications

You M, Wu F, Gao M et al. Selenoprotein K contributes to CD36 subcellular trafficking in hepatocytes by accelerating nascent COPII vesicle formation and aggravates hepatic steatosis *Redox Biology* 2022-11-01 [PMID: 36252341]

Liu S, Zhang Y, Zheng X et al. Sulforaphane Inhibits Foam Cell Formation and Atherosclerosis via Mechanisms Involving the Modulation of Macrophage Cholesterol Transport and the Related Phenotype *Nutrients* 2023-04-28 [PMID: 37432260]

Wang H, Wang J, Cui H et al. Inhibition of fatty acid uptake by TGR5 prevents diabetic cardiomyopathy *Nat Metab* 2024-05-02 [PMID: 38698281]

Liu S, Zhang Y, Zheng X et al. Sulforaphane Inhibits Foam Cell Formation and Atherosclerosis via Mechanisms Involving the Modulation of Macrophage Cholesterol Transport and the Related Phenotype *Nutrients* 2023-04-28 (IHC-Fr, Mouse)

Details:

1:100 dilution

Li Y, Xu J, Chen W et al. Hepatocyte CD36 modulates UBQLN1-mediated proteasomal degradation of autophagic SNARE proteins contributing to septic liver injury *Autophagy* 2023-04-23 [PMID: 37014234]

Zeng H, Qin H, Liao M et al. CD36 promotes de novo lipogenesis in hepatocytes through INSIG2-dependent SREBP1 processing *Molecular metabolism* 2021-12-30 [PMID: 34974159] (WB, Mouse)

Yu H, Yang F, Zhong W et al. Secretory Galectin-3 promotes hepatic steatosis via regulation of the PPAR gamma/CD36 signaling pathway *Cellular signalling* 2021-08-01 [PMID: 33991615]

Luo X, Li Y, Yang P et al. Obesity induces preadipocyte CD36 expression promoting inflammation via the disruption of lysosomal calcium homeostasis and lysosome function *EBioMedicine* 2020-06-01 [PMID: 32516742] (IP, Mouse)

Li Y, Yang P, Zhao L et al. CD36 plays a negative role in the regulation of lipophagy in hepatocytes through an AMPK-dependent pathway. *J. Lipid Res.* 2019-01-20 [PMID: 30662007] (WB, Human)

Khalifeh-Soltani A, McKleroy W, Sakuma S et al. Mfge8 promotes obesity by mediating the uptake of dietary fats and serum fatty acids. *Nat. Med.* 2014-02-07 [PMID: 24441829] (WB, Mouse, Human)

Hberg A, Skjell M, Michelsen AE et al. Soluble CD36 in Plasma Is Increased in Patients With Symptomatic Atherosclerotic Carotid Plaques Is Related to Plaque Instability. *Stroke*;39(11):3092-3095. 2008-01-01 [PMID: 18723424]

Janer J, ersson S, Haglund C et al. Placental Growth Factor Vascular Endothelial Growth Factor Receptor-2 in Human Lung Development. *Pediatrics*;122(2):340-346. 2008-01-01 [PMID: 18676552]

More publications at <http://www.novusbio.com/NB600-1423>





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Products Related to NB600-1423

NBL1-08939	CD36 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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.

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