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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-CD36 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: A01189-1-Fluoro594

About CD36

CD36 (cluster of differentiation 36), also known as FAT (fatty acid translocase), FAT/CD36, (FAT)/CD36, SCARB3, GP88, glycoprotein IV (gpIV), and glycoprotein IIIb (gpIIIb), is anintegral membrane protein found on the surface of many cell types in vertebrate animals. CD36 is a member of the class B scavenger receptor family of cell surface proteins. It is mapped to 7q21.11. And CD36 binds many ligands including collagen, thrombospondin, erythrocytes parasitized with Plasmodium falciparum, oxidized low absorbance lipoprotein, native lipoproteins, oxidized phospholipids, and long-chain fatty acids. In addition, CD36 function in long-chain fatty acid uptake and signaling can be irreversibly inhibited by sulfo-N-succinimidyl oleate (SSO), which binds lysine 164 within a hydrophobic pocked shared by several CD36 ligands, e.g. fatty acid and oxLDL.

Overview

Product Name	Anti-CD36 Antibody Picoband® Fluoro594 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P16671

Technical Details

Immunogen	E.coli-derived human CD36 recombinant protein (Position: K233-N439).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm

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Suggested Dilutions	Optimal dilutions should be determined by end users.

2 Publications Citing This Product

1. PubMed ID: 10.1007/s11356-017-0072-5, Effect of acute exposure to PFOA on mouse liver cells in vivo and in vitro

2. PubMed ID: 10.1124/mol.116.106617, Orally Administered Berberine Modulates Hepatic Lipid Metabolism by Altering Microbial Bile Acid Metabolism and the Intestinal FXR Signaling Pathway

Visit bosterbio.com/anti-cd36-picoband-trade-antibody-a01189-1-boster.html to see all 2 publications.

Anti-CD36 Antibody - Fluoro594

For Research Use Only. Not for use in diagnostic procedures.