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Datasheet for ABIN5542647
anti-CD36 antibody (AA 30-130)

4 Images

Overview

Quantity:	0.1 mg
Target:	CD36
Binding Specificity:	AA 30-130
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD36 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human CD36 (AA: 30-130) expressed in E. coli.
Clone:	5B6B2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	CD36
Alternative Name:	CD36 (CD36 Products)
Background:	Description: The protein encoded by this gene is the fourth major glycoprotein of the platelet surface and serves as a receptor for thrombospondin in platelets and various cell lines. Since

Target Details

thrombospondins are widely distributed proteins involved in a variety of adhesive processes, this protein may have important functions as a cell adhesion molecule. It binds to collagen, thrombospondin, anionic phospholipids and oxidized LDL. It directly mediates cytoadherence of Plasmodium falciparum parasitized erythrocytes and it binds long chain fatty acids and may function in the transport and/or as a regulator of fatty acid transport. Mutations in this gene cause platelet glycoprotein deficiency. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene.

Aliases: FAT, GP4, GP3B, GPIV, CHDS7, PASIV, SCARB3, BDPLT10

Molecular Weight: 53 kDa

Gene ID: 948

HGNC: 948

Pathways: [TLR Signaling](#), [Peptide Hormone Metabolism](#), [Response to Growth Hormone Stimulus](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Lipid Metabolism by PPARalpha](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#), [Lipid Metabolism](#), [S100 Proteins](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

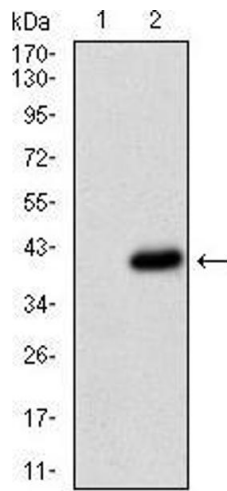
Buffer: Purified antibody in PBS with 0.05 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

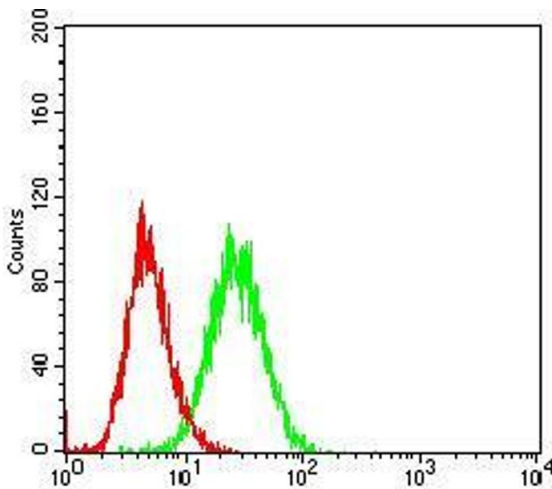
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage



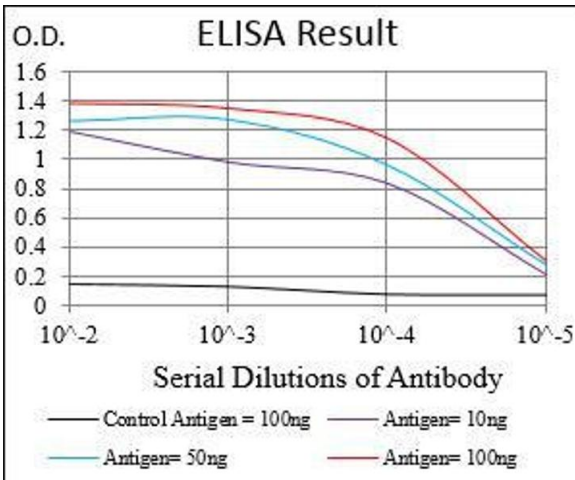
Western Blotting

Image 1. Western blot analysis using CD36 mAb against HEK293 (1) and CD36 (AA: 30-130)-hlgGFc transfected HEK293 (2) cell lysate.



Flow Cytometry

Image 2. Flow cytometric analysis of Hela cells using CD36 mouse mAb (green) and negative control (red).



ELISA

Image 3. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5542647.