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# anti-CD36 antibody (AA 30-130)





### 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:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

# **Product Details**

Immunogen:	Purified recombinant fragment of human CD36 (AA: 30-130) expressed in E. coli.
Clone:	5B6F5
Isotype:	lgG1
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

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:

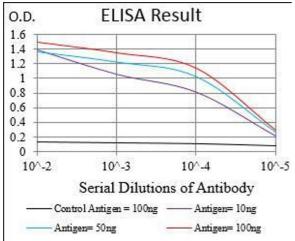
TLR Signaling, Peptide Hormone Metabolism, Response to Growth Hormone Stimulus, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Regulation of Lipid Metabolism by PPARalpha, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune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

# **Application Details**

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000
Restrictions:	For Research Use only

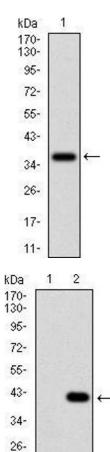
## Handling

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



#### **ELISA**

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



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#### **Western Blotting**

**Image 2.** Western blot analysis using CD36 mAb against human CD36 (AA: 30-130) recombinant protein. (Expected MW is 37.5 kDa)

# **Western Blotting**

Image 3. Western blot analysis using CD36 mAb against HEK293 (1) and CD36 (AA: 30-130)-hlgGFc transfected HEK293 (2) cell lysate.

Please check the product details page for more images. Overall 4 images are available for ABIN5542648.