Datasheet for ABIN389411

anti-CD36 antibody (AA 213-242)

4 Images

Go to Product page

Overview

Quantity:	400 µL
Target:	CD36
Binding Specificity:	AA 213-242
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD36 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This CD36 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 213-242 amino acids from the Central region of human CD36.
Clone:	RB19992
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CD36
Alternative Name:	CD36 (CD36 Products)

Target Details

Background:	CD36 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 its gene cause platelet glycoprotein deficiency.
Molecular Weight:	53053
Gene ID:	948
NCBI Accession:	NP_000063, NP_001001547, NP_001001548, NP_001120915, NP_001120916
UniProt:	P16671
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:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

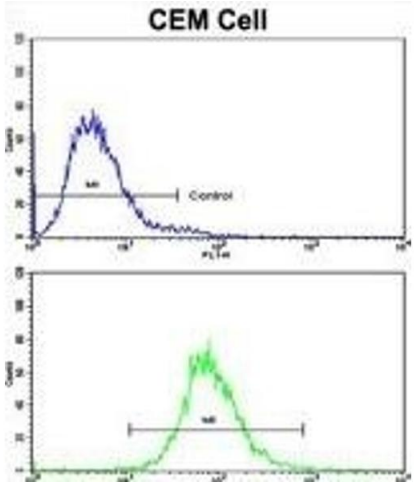
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Handling

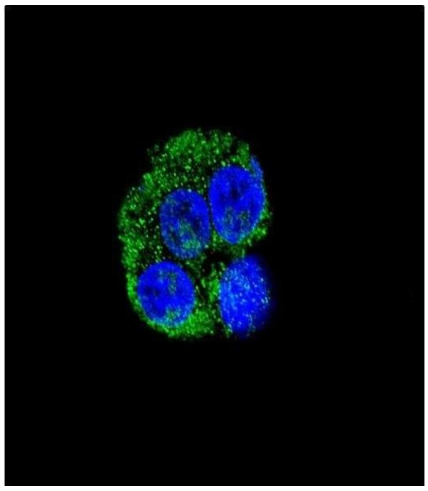
Expiry Date:	6 months

Images



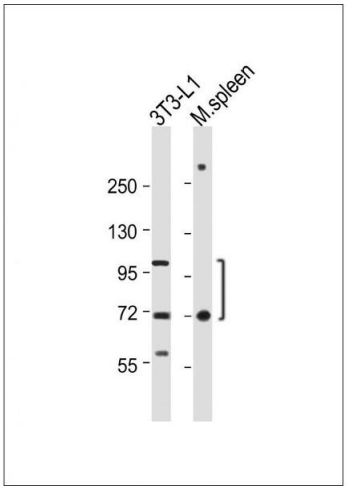
Flow Cytometry

Image 1. Flow cytometric analysis of CEM cells using CD36 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of CD36 Antibody (Center) (ABIN389411 and ABIN2839498) with HepG2 cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DI was used to stain the cell nuclear (blue).



Western Blotting

Image 3. All lanes : Anti-CD36 Antibody (Center) at 1:1000 dilution Lane 1: 3T3-L1 whole cell lysate Lane 2: Mouse spleen whole tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 53 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the product details page for more images. Overall 4 images are available for ABIN389411.