
Product Name: KD-Validated CD36 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01604**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 53.1kDa

Antigen Information

Gene Name	CD36 CD36; CD36 Molecule; GPIIIB; GPIV; GP3B; FAT; GP4; Platelet Glycoprotein 4; Fatty Acid Translocase; SCARB3; CD36 Antigen (Collagen Type I Receptor, Thrombospondin Receptor); CD36 Molecule (Thrombospondin Receptor); Leukocyte Differentiation Antigen CD36;
Alternative Names	Platelet Glycoprotein IV; Glycoprotein IIb; PAS IV; Scavenger Receptor Class B, Member 3; Scavenger Receptor Class B Member 3; Platelet Collagen Receptor; Thrombospondin Receptor; Cluster Determinant 36; PAS-4 Protein; CD36 Antigen; BDPLT10; CHDS7; PASIV; PAS-4
Gene ID	948.0
SwissProt ID	P16671
Immunogen	A synthesized peptide derived from human CD36

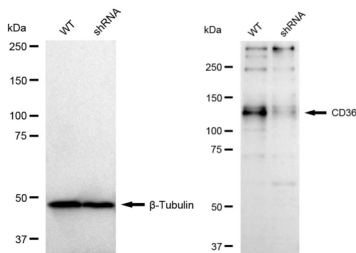
Background

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 have been found for this gene. [provided by RefSeq, Feb 2014]

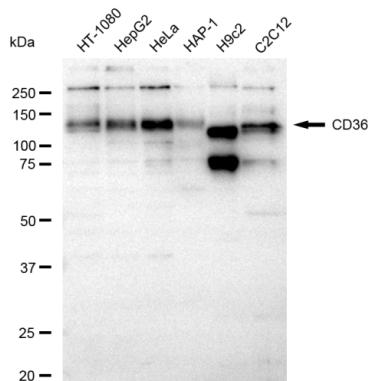
Research Area

Cardiovascular, Immunology, Microbiology, Stem Cells, Cancer

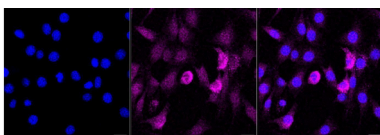
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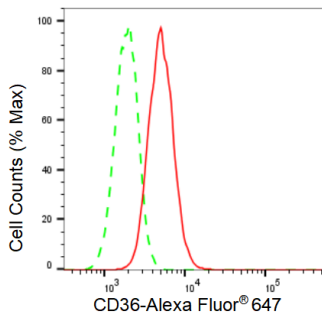
Western blotting analysis using CD36 antibody (KVA01604). CD36 expression in wild type (WT) and CD36 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with CD36 antibody (KVA01604, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CD36 antibody (KVA01604). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CD36 antibody (KVA01604, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with CD36 antibody (KVA01604, 1:1,000). Nuclei were stained blue with DAPI; CD36 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of CD36 expression in H9c2 cells using CD36 antibody (KVA01604, 1:2,000). Green, isotype control; red, CD36.