bs-1100R **[Primary Antibody]**

CD36 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 948 **SWISS:** P16671

Target: CD36

Immunogen: KLH conjugated synthetic peptide derived from human CD36: 301-400/472. < Extracellular >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

Applications: **WB** (1:500-2000)
IP (1:20-50)

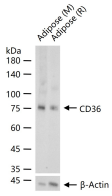
Reactivity: Mouse, Rat
(predicted: Human)

Predicted MW.: 52 kDa

Observed MW.: 77 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with CD36 polyclonal antibody, unconjugated (bs-1100R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

SELECTED CITATIONS

- **[IF=13]** Fan Yang. et al. NLRP6 governs hippocampal microglial phagocytosis to resist stress-induced depressive-like behaviors in mice and the intervention effect of bezafibrate. J ADV RES. 2025 Aug;: WB ;Mouse. 40876750
- **[IF=4.109]** Yu Haiyi. et al. The Foam Cell Formation Associated With Imbalanced Cholesterol Homeostasis Due to Airborne Magnetite Nanoparticles Exposure. TOXICOL SCI. 2022 Aug;: WB ;Mouse,Human. 35913497
- **[IF=3.974]** Astragaloside IV inhibits palmitate-mediated oxidative stress and fibrosis in human glomerular mesangial cells via downregulation of CD36 expression Y Su WB ;Rat &Human. 30826573
- **[IF=2.752]** Jie Song. et al. Ethanol Extract of Artemisia Annua Prevents LPS-Induced Inflammation and Blood–Milk

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Barrier Disruption in Bovine Mammary Epithelial Cells. ANIMALS. 2022 Jan;12(10):1228 WB ;Bovine. 35625074

- **[IF=2]** Jinlian Shu. et al. Identification and Validation of Aging-Related Genes in IgA Nephropathy in the Asian Population. INT J GEN MED. 2025 Jul;18:3851-3870 IHC ;Human. 40671964

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