

CD36 polyclonal antibody

Catalog: BS67331

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

CD36 is a class B scavenger receptor composed of short amino-terminal and carboxy-terminal cytoplasmic domains, two transmembrane domains, and a large glycosylated extracellular domain. The CD36 receptor has many diverse ligands and cellular functions and is expressed by multiple cell types, including monocytes, macrophages, platelets, endothelial cells, adipocytes, and some epithelial cells. Binding of thrombospondin-1 (TSP-1) to CD36 facilitates the inhibition of angiogenesis by TSP-1. CD36 also binds lipids and enables their transport into cells. In macrophages, CD36 acts as a receptor for oxidized LDL (Ox-LDL) and is responsible for Ox-LDL internalization, which contributes to development of atherosclerosis. The CD36 receptor participates in the innate immune response by acting as a pattern recognition receptor for lipid components of bacterial cell walls and fungal beta-glucans. CD36 likely influences signaling by interacting with other cell surface receptors including TLRs, integrins, and tetraspanins. Phorbol 12-myristate 13-acetate (PMA)/ 12-O-tetradecanoylphorbol-13-acetate (TPA) induces CD36 expression in the THP-1 monocyte cell line.

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 70-110 kDa

Swiss-Prot:

P16671

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB (1/500 - 1/2000)

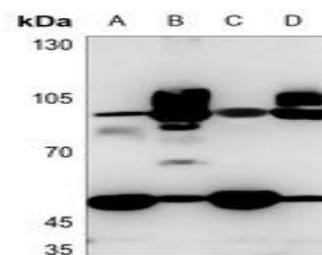
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of CD36 protein.

DATA:



Western blot analysis of CD36 expression in mouse heart (A), mouse muscle (B), rat heart (C), rat muscle (D) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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