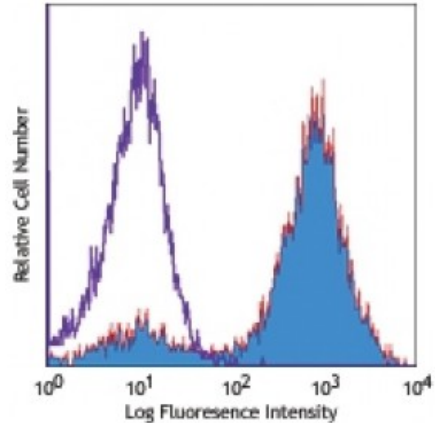


Biotin anti-mouse CD36

Catalog # / Size: 1113020 / 500 µg
Clone: HM36
Isotype: Hamster IgG
Immunogen: Full length version of the protein
Reactivity: Mouse
Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5



Thioglycolate-elicited BALB/c mouse peritoneal macrophages stained with biotinylated HM36, followed by Sav-PE

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 microg per 10^6 cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Hamilton R F, 2006. *J. Biol. Chem.* 281:34218.
2. Stuart L M, 2007. *J. Biol. Chem.* doi:10.1074/jbc.M702887200.

Description: CD36 is a 85 kD glycoprotein, also known as FAT, gpIIIb, or gpIV. It is a member of the class B scavenger receptor family, expressed on platelets, monocytes, macrophages, megakaryocytes, microvasculature, dendritic cells and mammary endothelial cells. The primary ligands for CD36 have been reported to be oxidized low density lipoprotein, anionic phospholipids, and collagens I, IV, and V. CD36 acts as a scavenger receptor thus promoting the removal of apoptotic neutrophils and other apoptotic bodies, as well as clearance of defective erythrocytes.

Antigen References: 1. Barclay A, *et al.* 1997. *The Leukocyte Antigen FactsBook* Academic Press.
2. Greenwalt DE, *et al.* 1992. *Blood* 80:1105.
3. Endemann G, *et al.* 1993. *J. Biol. Chem.* 268:11811.