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Product datasheet for AM03058RP-N

CD36 Mouse Monoclonal Antibody [Clone ID: TR9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	TR9
Applications:	FC
Recommended Dilution:	Suitable for Flow Cytometry analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10e6 cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Platelets.
Specificity:	The antibody TR9 reacts with CD36 (GPIIIb), a 85 kDa integral membrane glycoprotein expressed on platelets, macrophages, endothelial cells, early erythroid cells and megakaryocytes. This antibody cross-blocks binding of FITC-labeled standard antibody OKM5. Anti-CD36 antibodies inhibit adhesive functions (e.g. adherence of infected erythrocytes to target cells).
Formulation:	PBS containing 15 mM sodium azide as preservative and 0.2% (w/v) high-grade BSA (Protease free) as stabilizer. Label: PE State: Liquid purified Ig fraction. Label: Conjugated with R-Phycoerythrin under optimum conditions
Purification:	Size-Exclusion Chromatography.
Conjugation:	PE
Storage:	Store the antibody in the dark at 2-8°C. **DO NOT FREEZE!** Avoid prolonged exposure to light.
Stability:	Shelf life: One year from despatch.
Gene Name:	CD36 molecule

View online »

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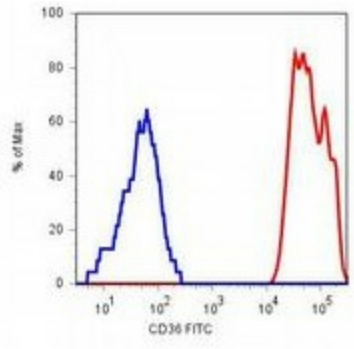
Database Link: Entrez Gene 948 Human
P16671

Background: CD36 (fatty acid translocase, FAT) is an 88 kDa ditopic glycosylated protein that belongs to the class B family of scavenger receptors. CD36 is expressed by most resting marginal zone B cells but not by follicular and B1 B cells, and it is rapidly induced on Follicular B cells in vitro upon TLR and CD40 stimulation. CD36 does not affect the development of B cells, but modulates both primary and secondary antibody response. Similarly to glucose transporter GLUT4, CD36 is translocated from intracellular pools to the plasma membrane following cell stimulation by insulin. In mouse, CD36 is responsible for gustatory perception of long-chain fatty acids.

Synonyms: Glycoprotein IIIb, PAS IV, PAS-4, Thrombospondin receptor, GP3B, GP4

Product images:



Surface staining of human platelets with anti-CD36 (TR9) FITC.

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