

## Product datasheet for **AM03058PU-N**

### CD36 Mouse Monoclonal Antibody [Clone ID: TR9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	TR9
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> 2 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Platelets.
Specificity:	<p>The antibody <i>TR9</i> reacts with CD36 (GPIIb), a 85 kDa integral membrane glycoprotein expressed on platelets, macrophages, endothelial cells, early erythroid cells and megakaryocytes.</p> <p>This antibody cross-blocks binding of FITC-labeled standard antibody OKM5.</p> <p>Anti-CD36 antibodies inhibit adhesive functions (e.g. adherence of infected erythrocytes to target cells).</p>
Formulation:	<p>Tris Buffered Saline (TBS), pH~8.0</p> <p>State: Purified</p> <p>State: Liquid purified Ig fraction from Ascites (&gt; 95% pure by SDS-PAGE)</p> <p>Preservative: 15 mM Sodium Azide</p>
Concentration:	lot specific
Purification:	Purified by protein-A affinity chromatography.
Conjugation:	Unconjugated
Storage:	<p>Store undiluted at 2-8°C.</p> <p><b>DO NOT FREEZE!</b></p>
Stability:	Shelf life: one year from despatch.
Gene Name:	CD36 molecule
Database Link:	<a href="#">Entrez Gene 948 Human P16671</a>



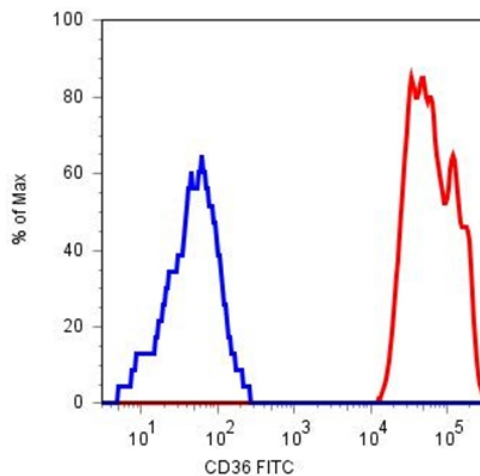
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**Background:**

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 antibody (TR9) FITC.