

Product datasheet for **AM32332PU-N**

CD36 Mouse Monoclonal Antibody [Clone ID: VM58]

Product data:

Product Type:	Primary Antibodies
Clone Name:	VM58
Applications:	FN, IF, IHC
Recommended Dilution:	Functional studies on CD36. The antibody can be used in: - Indirect Immunofluorescence staining with analysis by Cytofluorometry or Fluorescence microscopy. - Immunohistology. For fluorescence technique on cells, fixation with 1% paraformaldehyde for 5 min. is advised. The antibody cannot be used in Western blot.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human monocytes.
Specificity:	This antibody reacts with platelets, monocytes, macrophages, erythroblasts and (weakly) with B-cells. In immunohistology the monoclonal antibody reacts with some endothelial cells, adipocytes and the granular layer of the skin. Clone VM58 induces Fc-receptor-dependent platelet aggregation after binding to platelet. The heterogeneity of the response found in healthy individuals is dependent on the polymorphism of the Fc RII on platelets.
Formulation:	PBS State: Purified State: Lyophilized purified IgG fraction Preservative: 0.02% Sodium Azide
Reconstitution Method:	Restore with 1 ml sterile water to receive an IgG concentration of ~0.2 mg/ml (sufficient for 100 tests)
Concentration:	0.2 mg/ml (after reconstitution)



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Purification:	Ammonium sulfate + DEAE-cellulose, gradient elution
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD36 molecule
Database Link:	Entrez Gene 948 Human P16671
Background:	CD36, the GP IV (GP IIIb) molecule, has been shown to function as thrombospondin receptor on platelets and monocytes and as receptor for Plasmodium falciparum infected erythrocytes.
Synonyms:	Glycoprotein IIIb, PAS IV, PAS-4, Thrombospondin receptor, GP3B, GP4