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# 36-1931: Monoclonal Antibody to CD36 (Platelet & Microvessel Marker)(Clone : 185-1G2)

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| **Clonality :** | Monoclonal |
| **Clone Name :** | 185-1G2 |
| **Application :** | Functional Assay,FACS,IF |
| **Reactivity :** | Human |
| **Gene :** | CD36 |
| **Gene ID :** | 948 |
| **Uniprot ID :** | P16671 |
| **Format :** | Purified |
| **Alternative Name :** | CD36,GP3B,GP4 |
| **Isotype :** | Mouse IgG2a, kappa |
| **Immunogen Information :** | Stimulated human leukocytes |

## Description

Recognizes a protein of 80kDa-90kDa, identified as CD36 (Workshop IV; Code P-26). Its epitope maps between aa155-183. It is expressed on platelets, monocytes and macrophages, microvascular endothelial cells, erythrocyte precursors, mammary epithelial cells, and some macrophage derived dendritic cells. CD36 acts as a receptor for thrombospondin (TSP), collagen types I, IV and V, P. falciparum malaria-infected erythrocytes, and sickle erythrocytes. It also functions as a scavenger receptor, mediating macrophage uptake of oxidized low-density lipoprotein (LDL) and recognition of apoptotic polymorphonuclear leukocytes (PMN). CD36 plays a role in platelet aggregation, macrophage foam cell development, inflammation, and the tissue ischemia observed in sickle cell disease and cerebral malaria. Note that 1-4% of Japanese and East Asia population lack CD36. This MAb blocks adhesion of P. falciparum parasitized red blood cells to CD36 and strongly inhibits collagen-induced platelet aggregation.

## Product Info

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| **Amount :** | 100 µg |
| **Purification :** | Affinity Chromatography |
| **Content :** | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| **Storage condition :** | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

## Application Note

Functional Studies (Order Ab without Azide);Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***