

## CD36 (PTR1377) recombinant Mouse mAb

CatalogNo: YM4053 **Recombinant** 

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human

#### Applications

- FC,ELISA

#### MW

- 90kD (Observed)

#### Isotype

- IgG1,Kappa

### Recommended Dilution Ratios

**ELISA 1:5000-100000**

**Flow Cyt 1-2µg/Test**

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Phosphate-buffered solution

### Basic Information

**Clonality** Monoclonal

**Clone Number** PTR1377

### Immunogen Information

**Immunogen** Purified recombinant human CD36

**Specificity** This recombinant monoclonal antibody can detects endogenous levels of CD36 protein.

### Target Information

**Gene name** CD36

**Protein Name** Platelet glycoprotein 4

Organism	Gene ID	UniProt ID
Human	<a href="#">948;</a>	<a href="#">P16671;</a>
Mouse	<a href="#">12491;</a>	<a href="#">Q08857;</a>
Rat		<a href="#">Q07969;</a>

**Cellular Localization** Cell membrane ; Multi-pass membrane protein . Membrane raft . Golgi apparatus . Apical cell membrane . Upon ligand-binding, internalized through dynamin-dependent endocytosis. .

**Tissue specificity** Adipocyte,Liver,Mammary gland,Milk,Placenta,Platelet,Skeletal muscle,

**Function** Disease:Defects in CD36 are the cause of platelet glycoprotein IV deficiency [MIM:608404]; also known as CD36 deficiency. Platelet glycoprotein IV deficiency can be divided into 2 subgroups. The type I phenotype is characterized by platelets and monocytes/macrophages exhibiting complete CD36 deficiency. The type II phenotype lacks the surface expression of CD36 in platelets, but expression in monocytes/macrophages is near normal.,Disease:Genetic variations in CD36 are associated with susceptibility to coronary heart disease type 7 (CHDS7) [MIM:610938].,Function:Seems to have numerous potential physiological functions. Binds to collagen, thrombospondin, anionic phospholipids and oxidized LDL. May function as a cell adhesion molecule. Directly mediates cytoadherence of Plasmodium falciparum parasitized erythrocytes. Binds long chain fatty acids and may function in the transport and/or as a regulator of fatty acid transport.,online information:CD36 entry,polymorphism:Genetic variation in CD36 influences the severity and outcome of malaria infection.,PTM:N-glycosylated and O-glycosylated with a ratio of 2:1.,similarity:Belongs to the CD36 family.,

## | Validation Data

## | Contact information

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