

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(Avoid freeze / thaw cycles)

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	930 ;	P16671 ;
	Mouse	12491 ;	Q08857 ;
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	Detected on marginal zone and germinal center B cells in lymph nodes (PubMed:24631). Detected on blood B cells (at protein level) (PubMed:24631, PubMed:1667271).		
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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recombinant Mouse mAb