

For Research Use Only

CD36 Recombinant antibody

Catalog Number: 84078-4-RR



Basic Information

Catalog Number: 84078-4-RR	GenBank Accession Number: NM_001001548.3	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 948	CloneNo.: 241262F5
Source: Rabbit	UNIPROT ID: P16671-1	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:500-1:2000
Isotype: IgG	Full Name: CD36 molecule (thrombospondin receptor)	
	Calculated MW: 53 kDa	
	Observed MW: 75-85 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human peripheral blood platelets, human placenta tissue

IHC : human placenta tissue,

Background Information

CD36, also named as GP3B and GP4, is a membrane glycoprotein present on platelets, monocytes, erythroid precursors, endothelial cells, and several tumor cell lines. CD36 binds to collagen, thrombospondin, anionic phospholipids, long chain fatty acids and may function in the transport and/or as a regulator of fatty acid transport and oxidized LDL. CD36 may function as a cell adhesion molecule. It mediates cytoadherence of Plasmodium falciparum parasitized erythrocytes. Mutation of CD36 will cause platelet glycoprotein IV deficiency which known as CD36 deficiency. Genetic variations in CD36 are associated with susceptibility to coronary heart disease type 7 (CHDS7).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

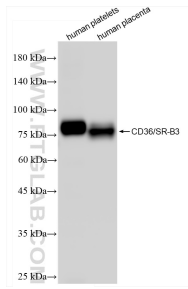
For technical support and original validation data for this product please contact:

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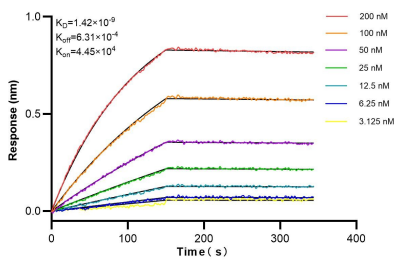
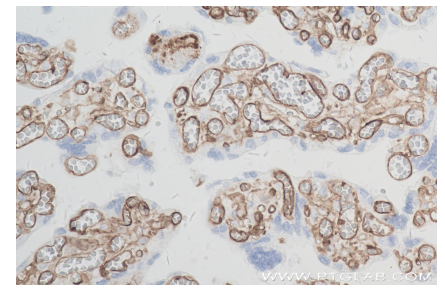
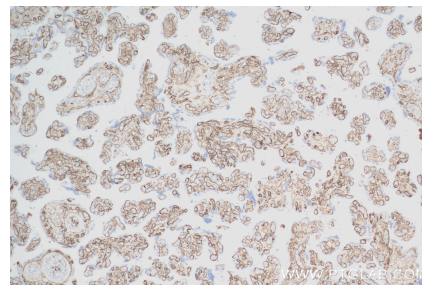
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84078-4-RR (CD36 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84078-4-RR against Human CD36 were performed. The affinity constant is 1.42 nM.