

For Research Use Only

# CD36 Recombinant monoclonal antibody

Catalog Number: 86246-6-RR



## Basic Information

<b>Catalog Number:</b> 86246-6-RR	<b>GenBank Accession Number:</b> GeneID (NCBI): 29184	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q07969	<b>CloneNo.:</b> 250237G3
<b>Isotype:</b> IgG	<b>Full Name:</b> CD36 molecule (thrombospondin receptor)	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000 IHC: 1:500-1:2000 IF-P: 1:200-1:800
<b>Immunogen Catalog Number:</b> EG3222	<b>Calculated MW:</b> 53 kDa	
	<b>Observed MW:</b> 88 kDa	

## Applications

### Tested Applications:

WB, IHC, IF-P, ELISA

### Species Specificity:

mouse, rat

**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 : rat heart tissue, mouse heart tissue, rat adipose tissue, mouse adipose tissue, rat spleen tissue

IHC : rat spleen tissue,

IF-P : rat liver 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.

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

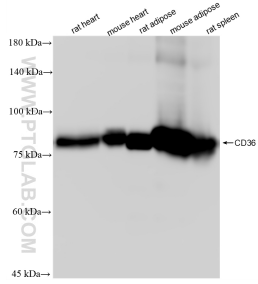
T: 4006900926

E: Proteintech-CN@ptglab.com

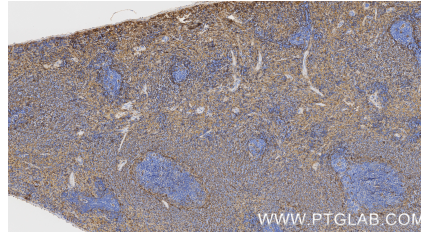
W: ptgcn.com

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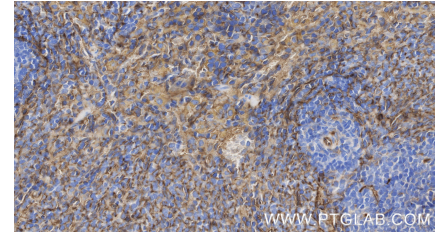
## Selected Validation Data



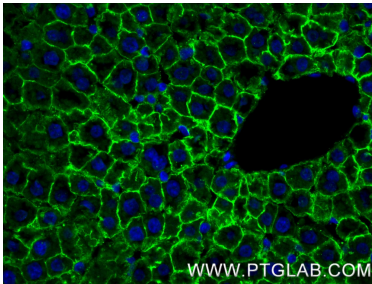
Various lysates were subjected to SDS PAGE followed by western blot with 86246-6-RR (CD36/SR-B3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat spleen tissue slide using 86246-6-RR (CD36 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat spleen tissue slide using 86246-6-RR (CD36 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat liver tissue using CD36 antibody (86246-6-RR, Clone: 250237G3) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).