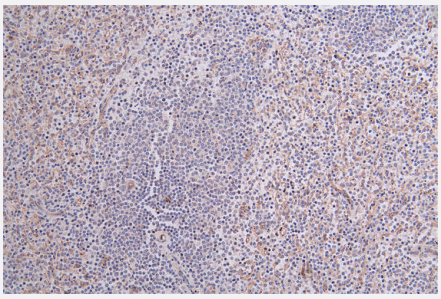
RecomAb™

# CD36 recombinant monoclonal antibody, clone 13B12

Catalog # RAB07698 Size 100 uL

## Applications



### Immunohistochemistry

Immunohistochemistry image of CD36 recombinant monoclonal antibody, clone 13B12 diluted at 1:100 and staining in paraffin-embedded human spleen tissue performed on a Leica BondTM system.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human CD36. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide corresponding to human CD36. |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity chromatography purification |
| **Isotype** | IgG |
| **Recommend Usage** | ELISA<br>Immunohistochemistry(1:50-1:200)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol) |

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| | |
|---|---|
| **Storage Instruction** | Store at -20°C or -80°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry

  Immunohistochemistry image of CD36 recombinant monoclonal antibody, clone 13B12 diluted at 1:100 and staining in paraffin-embedded human spleen tissue performed on a Leica BondTM system.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — CD36

| | |
|---|---|
| **Entrez GeneID** | 948 |
| **Protein Accession#** | P16671 |
| **Gene Name** | CD36 |
| **Gene Alias** | CHDS7, FAT, GP3B, GP4, GPIV, PASIV, SCARB3 |
| **Gene Description** | CD36 molecule (thrombospondin receptor) |
| **Omim ID** | 173510 248310 608404 610938 611162 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is the fourth major glycoprotein of the platelet surface and serve s as a receptor for thrombospondin in platelets and various cell lines. Since thrombospondins are widely distributed proteins involved in a variety of adhesive processes, this protein may have imp ortant functions as a cell adhesion molecule. It binds to collagen, thrombospondin, anionic phosph olipids and oxidized LDL. It directly mediates cytoadherence of Plasmodium falciparum parasitiz ed erythrocytes and it binds long chain fatty acids and may function in the transport and/or as a re gulator of fatty acid transport. Mutations in this gene cause platelet glycoprotein deficiency. Multipl e alternatively spliced transcript variants encoding the same protein have been found for this gene . [provided by RefSeq |
| **Other Designations** | CD36 antigen\|CD36 antigen (collagen type I receptor, thrombospondin receptor)\|PAS-4 protein\|cl uster determinant 36\|fatty acid translocase\|glycoprotein IIIb\|leukocyte differentiation antigen CD36\| platelet glycoprotein IV\|scavenger receptor class B, member |

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## Pathway

- Adipocytokine signaling pathway
- ECM-receptor interaction
- Hematopoietic cell lineage
- PPAR signaling pathway

## Disease

- Anemia
- Angina Pectoris
- Atherosclerosis
- Calcinosis
- Cardiovascular Diseases
- Colon cancer
- Colorectal Neoplasms
- Coronary Artery Disease
- Diabetes Mellitus
- Disease Progression
- Edema
- Genetic Predisposition to Disease
- Hepatitis
- Hypertension
- Insulin Resistance
- Kidney Failure
- Macular Degeneration
- Malaria

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- Metabolic Syndrome X
- Myocardial Infarction
- Obesity
- Osteoarthritis
- Perception
- Taste

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