

## Rabbit anti-Rat CD36 Monoclonal Antibody | anti-CD36 antibody

Recombinant Anti-CD36 Antibody, Rabbit Monoclonal

|                               |                       |                          |                                                    |
|-------------------------------|-----------------------|--------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA257310</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|--------------------------|----------------------------------------------------|

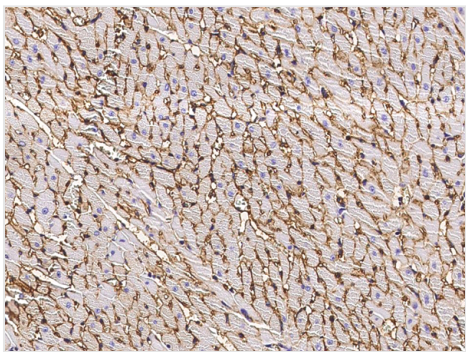
### PRODUCT SYNONYMS

CD36; Monoclonal Antibody; Recombinant Anti-CD36 Antibody; Rabbit Monoclonal; CD36/SCARB3 Antibody; Rabbit MAb; CD36 molecule (thrombospondin receptor); anti-CD36 antibody

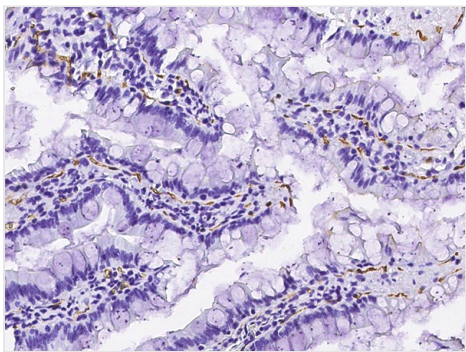
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                     | Rat                                                                                                                                                                                                                                                                   |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                            |
| Isotype                                        | Rabbit IgG                                                                                                                                                                                                                                                            |
| Clone Number                                   | 002                                                                                                                                                                                                                                                                   |
| Specificity                                    | Rat CD36/SCARB3                                                                                                                                                                                                                                                       |
| Purity/Purification                            | Protein A                                                                                                                                                                                                                                                             |
| Form/Format                                    | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-CD36 antibody | IHC (Immunohistochemistry), ELISA                                                                                                                                                                                                                                     |
| Antibody Type                                  | Recombinant Antibody                                                                                                                                                                                                                                                  |
| Immunogen                                      | Recombinant Rat CD36/SCARB3 Protein                                                                                                                                                                                                                                   |
| Conjugation                                    | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                    | This antibody was obtained from a rabbit immunized with purified, recombinant Rat CD36/SCARB3 (rR CD36/SCARB3).                                                                                                                                                       |
| Preparation and Storage                        | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

IMAGES



**IHC (Immunohistochemistry)**  
Immunochemical staining of rat CD36 in rat heart with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).



**IHC (Immunohistochemistry)**  
Immunochemical staining of rat CD36 in rat small intestine with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CD36 antibody</b> | The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. Cluster of differentiation 36 (CD36), also known as FAT, SCARB3, GP88, glycoprotein IV (gpIV) and glycoprotein IIIb (gpIIIb), is a member of the CD system as well as the class B scavenger receptor family of cell surface proteins. CD36 can be found on the surface of many cell types in vertebrate animals and it consists of 472 amino acids and is extensively glycosylated. It is an integral membrane protein primarily serving as receptors for thrombospondin and collagen and by the erythrocytes infected with the human malaria parasite. The role of CD36 as a cell surface receptor has been extended to that of a signal transduction molecule. |
| <b>Product Categories/Family for anti-CD36 antibody</b>   | <a href="#">Cancer Drug Targets</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>References</b>                                         | Zola H, et al. (2007) CD molecules 2006-human cell differentiation molecules. J Immunol Methods. 318 (1-2): 1-5.Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35.Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters.134 (2): 104-12.Greenwalt RH, et al. (1992) Membrane glycoprotein in CD36: a review of its roles in adherence, signal transduction, and transfusion medicine. The journal of the American society of hematology. 80 (5): 1105-15.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 52138595                                               |
| NCBI GeneID                      | 25584                                                  |
| NCBI Accession #                 | NP_037189.2                                            |
| NCBI GenBank Nucleotide #        | NM_013057.2                                            |
| UniProt Accession #              | Q66HI4; P42533                                         |
| NCBI Official Full Name          | tissue factor                                          |
| NCBI Official Synonym Full Names | coagulation factor III (thromboplastin, tissue factor) |
| NCBI Official Symbol             | F3                                                     |
| NCBI Protein Information         | tissue factor                                          |
| UniProt Protein Name             | Tissue factor                                          |
| UniProt Gene Name                | F3                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd36-antibody-clone-002-immunohistochemistry-elisa/257310>