

## Mouse anti-Human CD36 Monoclonal Antibody | anti-CD36 antibody

Anti-CD36 Antibody, Mouse Monoclonal

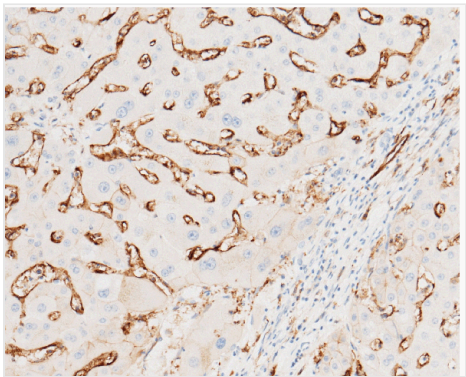
|                               |                      |                            |                                                    |
|-------------------------------|----------------------|----------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA255138</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|----------------------|----------------------------|----------------------------------------------------|

### PRODUCT SYNONYMS

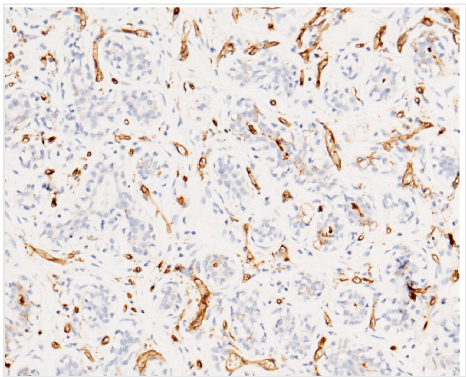
CD36; Monoclonal Antibody; Anti-CD36 Antibody; Mouse Monoclonal; CD36/SCARB3 Antibody; Mouse MAb; CD36 molecule (thrombospondin receptor); Anti-BDPLT10 Antibody; Anti-CHDS7 Antibody; Anti-FAT Antibody; Anti-GP3B Antibody; Anti-GP4 Antibody; Anti-GPIV Antibody; Anti-PASIV Antibody; Anti-SCARB3 Antibody; anti-CD36 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                    |
| Reactivity                                     | Human                                                                                                                                                                                                                                                                                                    |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                               |
| Isotype                                        | Mouse IgG1                                                                                                                                                                                                                                                                                               |
| Clone Number                                   | 1B9A5D3                                                                                                                                                                                                                                                                                                  |
| Specificity                                    | Human CD36/SCARB3                                                                                                                                                                                                                                                                                        |
| Purity/Purification                            | Protein A                                                                                                                                                                                                                                                                                                |
| Form/Format                                    | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                                                   |
| Applicable Applications for anti-CD36 antibody | IHC (Immunohistochemistry), ELISA                                                                                                                                                                                                                                                                        |
| Immunogen                                      | Recombinant Human CD36/SCARB3 protein                                                                                                                                                                                                                                                                    |
| Conjugation                                    | Unconjugated                                                                                                                                                                                                                                                                                             |
| Preparation                                    | This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human CD36/SCARB3 (rh CD36/SCARB3). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography. |
| 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.                                    |



**IHC (Immunohiostchemistry)**  
Immunochemical staining of human CD36 in human liver with mouse monoclonal antibody (1:100, formalin-fixed paraffin embedded sections). Positive staining was localized to vascular endothelial cells.



**IHC (Immunohistochemistry)**  
Immunochemical staining of human CD36 in human mammary gland with mouse monoclonal antibody (1:100, formalin-fixed paraffin embedded sections). Positive staining was localized to vascular endothelial cells.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD36 antibody | 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. |
| Product Categories/Family for anti-CD36 antibody   | Cancer Drug Targets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| References                                         | 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 #                        | 48375176                                                                                       |
| NCBI GeneID                      | 948                                                                                            |
| NCBI Accession #                 | NP_001001547.1                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001001547.2                                                                                 |
| UniProt Accession #              | P16671; Q13966; Q16093; Q8TCV7; Q9BPZ8; Q9BQC2; Q9BZM8; Q9BZN3; D9IX66; D9IX67; D9IX68; D9IX69 |
| Molecular Weight                 | 46,090 Da                                                                                      |
| NCBI Official Full Name          | platelet glycoprotein 4 isoform 1                                                              |
| NCBI Official Synonym Full Names | CD36 molecule                                                                                  |
| NCBI Official Symbol             | CD36                                                                                           |
| NCBI Official Synonym Symbols    | FAT; GP4; GP3B; GPIV; CHDS7; PASIV; SCARB3; BDPLT10                                            |

|                            |                              |
|----------------------------|------------------------------|
| NCBI Protein Information   | platelet glycoprotein 4      |
| UniProt Protein Name       | Platelet glycoprotein 4      |
| UniProt Gene Name          | CD36                         |
| UniProt Synonym Gene Names | GP3B; GP4; FAT; GPIIIB; GPIV |
| UniProt Entry Name         | CD36_HUMAN                   |

**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://www.aaabiotech.com/monoclonal/cd36-antibody-clone-1b9a5d3-immunohistochemistry-elisa/255138>