

## Mouse CD36 Monoclonal Antibody | anti-CD36 antibody

CD36 antibody

|                               |                      |                                                                                           |
|-------------------------------|----------------------|-------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA106448</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay</b> |
|-------------------------------|----------------------|-------------------------------------------------------------------------------------------|

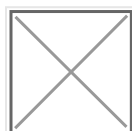
### PRODUCT SYNONYMS

CD36; Monoclonal Antibody; CD36 antibody; Monoclonal CD36; Anti-CD36; Cluster of Differentiation 36; FAT; SCARB3; GP88; glycoprotein IV; gpIV; glycoprotein IIIb; gpIIIb; CD 36; CD-36; anti-CD36 antibody

### PRODUCT SPECIFICATIONS

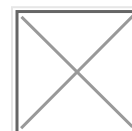
|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Isotype                                        | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clone Number                                   | 4H7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Purity/Purification                            | CD36 antibody was purified by affinity chromatography.                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Form/Format                                    | Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Concentration                                  | 500 ug-1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sequence Length                                | 472                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Applicable Applications for anti-CD36 antibody | WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Biological Significance                        | CD36 is an integral membrane protein found on the surface of many cell types in vertebrate animals and is also known as FAT, SCARB3, GP88, glycoprotein IV (gpIV) and glycoprotein IIIb (gpIIIb). CD36 is a member of the class B scavenger receptor family of cell surface proteins. CD36 binds many ligands including collagen, thrombospondin, erythrocytes parasitized with Plasmodium falciparum, oxidized low density lipoprotein, native lipoproteins, oxidized phospholipids, and long-chain fatty acids. |
| Cross-Reactivity                               | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Immunogen                                      | CD36 antibody was raised in mouse using a full length recombinant protein of human CD36 (NP_000063) produced in HEK293T cells, as the immunogen.                                                                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage                        | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                           |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant CD36 protein using CD36 antibody



#### WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant CD36 protein (Right) or empty vector (Left) detected with CD36 antibody

ADDITIONAL INFORMATION

|                                                    |                                |
|----------------------------------------------------|--------------------------------|
| Related Product Information for anti-CD36 antibody | Mouse monoclonal CD36 antibody |
| Product Categories/Family for anti-CD36 antibody   | Immunology                     |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 48375178                                                                                       |
| NCBI GeneID                      | 948                                                                                            |
| NCBI Accession #                 | NP_000063                                                                                      |
| NCBI GenBank Nucleotide #        | NM_000072.3                                                                                    |
| 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 (thrombospondin receptor)                                                        |
| 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; GPIIB; 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://stage.aaabiotech.com/monoclonal/cd36-antibody-clone-4h7-western-blot-immunofluorescence-flow-cytometry-elisa/106448>