

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

Anti-Hu CD36 FITC

|                               |                      |                            |                                                         |
|-------------------------------|----------------------|----------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA128479</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|-------------------------------|----------------------|----------------------------|---------------------------------------------------------|

### PRODUCT SYNONYMS

CD36; Monoclonal Antibody; Anti-Hu CD36 FITC; CD36 molecule; GPIIb; Platelet glycoprotein 4; Platelet glycoprotein IV; GPIV; Glycoprotein IIIb; GPIIB; PAS IV; PAS-4; Platelet collagen receptor; Fatty acid translocase; FAT; Thrombospondin receptor; PASIV; anti-CD36 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                              |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                        |
| Reactivity                                     | Human                                                                                                                                                                                                                                        |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                   |
| Isotype                                        | IgM kappa                                                                                                                                                                                                                                    |
| Clone Number                                   | CB38                                                                                                                                                                                                                                         |
| Specificity                                    | The mouse monoclonal antibody CB38 (NL07) recognizes an extracellular epitope of CD36 (GPIIb), a 85-113 kDa integral membrane glycoprotein expressed on platelets, macrophages, endothelial cells, early erythroid cells and megakaryocytes. |
| Purity/Purification                            | The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.                                                                             |
| Form/Format                                    | Stabilizing Tris buffered saline (TBS) solution with 15 mM sodium azide                                                                                                                                                                      |
| Sequence Length                                | 472                                                                                                                                                                                                                                          |
| Applicable Applications for anti-CD36 antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                    |
| Immunogen                                      | living human myeloid cells                                                                                                                                                                                                                   |
| Conjugation                                    | FITC                                                                                                                                                                                                                                         |
| Preparation and Storage                        | Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.                                                                                                                                                         |

### ADDITIONAL INFORMATION

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| Related Product Information for anti-CD36 antibody | CD36 (fatty acid translocase, FAT) is an 88 kDa ditopic glycosylated protein that belongs to the class B family of scavenger receptors. CD36 is expressed by most resting marginal zone B cells but not by follicular and B1 B cells, and it is rapidly induced on Follicular B cells in vitro upon TLR and CD40 stimulation. CD36 does not affect the development of B cells, but modulates both primary and secondary antibody response. Similarly to glucose transporter GLUT4, CD36 is translocated from intracellular pools to the plasma membrane following cell stimulation by insulin. In mouse, CD36 is responsible for gustatory perception of long-chain fatty acids. |
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### NCBI AND UNIPROT INFORMATION

|                     |                        |
|---------------------|------------------------|
| NCBI GI #           | <a href="#">115982</a> |
| NCBI GeneID         | <a href="#">948</a>    |
| UniProt Accession # | <a href="#">P16671</a> |

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| NCBI Official Full Name          | Platelet glycoprotein 4                             |
| 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                | <b>CD36</b>                                         |
| 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://www.aaabiotech.com/monoclonal/cd36-antibody-clone-cb38-flow-cytometry-elisa/128479>