

## Human CD36 molecule (thrombospondin receptor) ELISA Kit | CD36 elisa kit

Human platelet membrane glycoprotein IV, GP-IV ELISA Kit

CATALOG #  
**AAA79840**

REACTIVITY  
**Human**

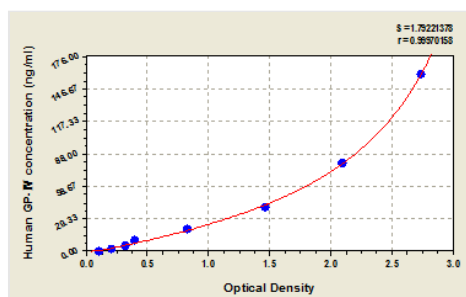
### PRODUCT SYNONYMS

CD36 molecule (thrombospondin receptor); Human platelet membrane glycoprotein IV; GP-IV ELISA Kit; CHDS7; FAT; GP3B; GP4; GPIV; PASIV; SCARB3; CD36 antigen; CD36 antigen (collagen type I receptor; thrombospondin receptor) ; OTTHUMP00000207872; OTTHUMP00000207874; PAS-4 protein; cluster determinant 36; f; CD36 elisa kit

### PRODUCT SPECIFICATIONS

|                              |                                                                                                                                                                                                                                                                                                                           |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                   | Human                                                                                                                                                                                                                                                                                                                     |
| Specificity                  | This assay has high sensitivity and excellent specificity for detection of Human CD36. No significant cross-reactivity or interference between Human CD36 and analogues was observed.                                                                                                                                     |
| Sequence Length              | 472                                                                                                                                                                                                                                                                                                                       |
| Samples                      | Serum, plasma, tissue homogenates                                                                                                                                                                                                                                                                                         |
| Assay Type                   | Sandwich                                                                                                                                                                                                                                                                                                                  |
| Detection Range              | 2.5 ng/ml-160 ng/ml                                                                                                                                                                                                                                                                                                       |
| Sensitivity                  | 0.625 ng/ml                                                                                                                                                                                                                                                                                                               |
| Intra-assay Precision        | Intra-assay Precision (Precision within an assay): CV% is less than 8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV% is less than 10%<br>Three samples of known concentration were tested in twenty assays to assess. |
| Detection Wavelength         | 450 nm                                                                                                                                                                                                                                                                                                                    |
| Sample Volume                | 50-100ul                                                                                                                                                                                                                                                                                                                  |
| Protein Biological Process 1 | Cell Adhesion                                                                                                                                                                                                                                                                                                             |
| Protein Biological Process 3 | Cell adhesion                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage      | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CD36 elisa kit | <p><b>For Samples:</b> For the quantitative determination of human platelet membrane glycoprotein ? (GP-?) concentrations in serum, plasma, tissue homogenates.</p> <p><b>PRINCIPLE OF THE ASSAY</b> This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GP-? has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GP-? present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GP-? is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GP-? bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 48375178                                                                                                                                                                                                                                                                                            |
| NCBI GeneID                      | 948                                                                                                                                                                                                                                                                                                 |
| NCBI Accession #                 | NP_000063.2                                                                                                                                                                                                                                                                                         |
| NCBI GenBank Nucleotide #        | NM_000072.3                                                                                                                                                                                                                                                                                         |
| UniProt Accession #              | P16671; Q13966; Q16093; Q8TCV7; Q9BPZ8; Q9BQC2; Q9BZM8; Q9BZN3; Q9BZN4; Q9BZN5                                                                                                                                                                                                                      |
| Molecular Weight                 | 53,053 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; GPIIIB; PAS IV; PAS-4 protein; glycoprotein IIIb; cluster determinant 36; fatty acid translocase; platelet glycoprotein IV; scavenger receptor class B, member 3; leukocyte differentiation antigen CD36; CD36 antigen (collagen type I receptor, thrombospondin receptor) |
| 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.