

## Product datasheet

### anti-CD36 mouse monoclonal, EBS-CD-023, purified

#### Short overview

|                      |                  |
|----------------------|------------------|
| <b>Cat. No.</b>      | 691577           |
| <b>Quantity</b>      | 1 ml (100 µg/ml) |
| <b>Concentration</b> | 100 µg/ml        |

#### Product description

|                      |                                                                                                                                                                                                                                                               |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Host</b>          | Mouse                                                                                                                                                                                                                                                         |
| <b>Antibody Type</b> | Monoclonal                                                                                                                                                                                                                                                    |
| <b>Isotype</b>       | IgG2b kappa                                                                                                                                                                                                                                                   |
| <b>Clone</b>         | EBS-CD-023                                                                                                                                                                                                                                                    |
| <b>Immunogen</b>     | GP88 purified from human platelets                                                                                                                                                                                                                            |
| <b>Formulation</b>   | PBS with 0.02% sodium azide                                                                                                                                                                                                                                   |
| <b>UniprotID</b>     | P16671 (Human)                                                                                                                                                                                                                                                |
| <b>Synonym</b>       | Platelet glycoprotein 4, Fatty acid translocase, FAT, Glycoprotein IIIb, GPIIIB, Leukocyte differentiation antigen CD36, PAS IV, PAS-4, Platelet collagen receptor, Platelet glycoprotein IV, GPIV, Thrombospondin receptor, CD antigen CD36, CD36, GP3B, GP4 |
| <b>Conjugate</b>     | Unconjugated                                                                                                                                                                                                                                                  |
| <b>Purification</b>  | Affinity chromatography                                                                                                                                                                                                                                       |
| <b>Storage</b>       | 2-8°C                                                                                                                                                                                                                                                         |
| <b>Intended use</b>  | Research use only                                                                                                                                                                                                                                             |
| <b>Application</b>   | FACS, ICC/IF, IHC                                                                                                                                                                                                                                             |
| <b>Reactivity</b>    | Human                                                                                                                                                                                                                                                         |

#### Applications

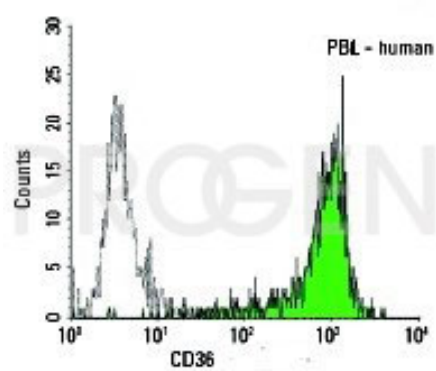
|                                              |                        |
|----------------------------------------------|------------------------|
| <b>Flow Cytometry (FACS)</b>                 | 1-2 µg/million cells   |
| <b>Immunocytochemistry (ICC)</b>             | 1:50-1:100 (1-2 µg/ml) |
| <b>Immunohistochemistry (IHC) - frozen</b>   | 1:50-1:100 (1-2 µg/ml) |
| <b>Immunohistochemistry (IHC) - paraffin</b> | 1:50-1:100 (1-2 µg/ml) |

#### Background

CD36 is a 80-90 kDa protein, expressed on platelets, monocytes and macrophages, microvascular endothelial cells, erythrocyte precursors, mammary epithelial cells, and some macrophage derived dendritic cells. CD36 acts as a receptor for thrombospondin (TSP), collagen types I, IV and V, *P. falciparum* malaria-infected erythrocytes, and sickle erythrocytes. CD36 plays a role in platelet aggregation, macrophage foam cell development, inflammation, and the tissue ischemia observed in sickle cell disease and cerebral malaria.

Positive control: HEL, U937 or C32 melanoma cells. Platelets, monocytes, macrophages, umbilical vein endothelium, microvascular endothelial cells in tonsil.

## Product images



FACS with human peripheral blood lymphocytes (PBL)