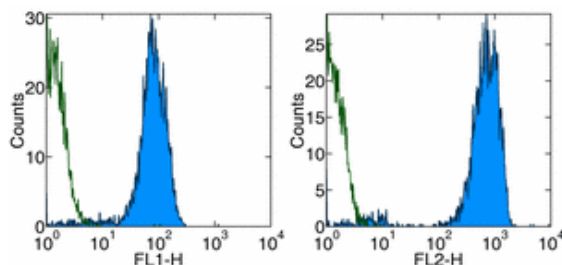


## Anti-Human CD42b Purified

Catalog Number: 14-0429

RUO: For Research Use Only



Staining of human platelets with Anti-Human CD42b FITC (left) and PE (right). Appropriate isotype controls were used (open histogram). Total cells were used for analysis.

### Product Information

Contents: Anti-Human CD42b Purified

**REF** Catalog Number: 14-0429


Clone: HIP1

Concentration: 0.5 mg/ml


Host/Isotype: Mouse IgG1,  $\kappa$


HLDA Workshop: IV P40

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

**LOT** Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

### Description

The HIP1 monoclonal antibody reacts with the human CD42b molecule, a 135 kDa transmembrane protein also known as platelet gpIb.

### Applications Reported

The HIP1 antibody has been reported for use in flow cytometric analysis, *in vitro* blocking of human CD42b, immunoblotting (WB), and immunohistochemical staining. (Please use Functional Grade purified HIP1, cat. 16-0429, in functional assays.)

### Applications Tested

The HIP1 antibody has been tested by flow cytometric analysis of human platelets and can be used less than or equal to 1  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test. It is recommended that the antibodies be carefully titrated for optimal performance in the assay of interest.

### References

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George N., Q. Wei et al. Staphylococcus aureus adhesion via Spa, ClfA, and SdrCDE to immobilized platelets demonstrates shear-dependent behavior. 2006. Arterioscler Thromb Vasc Biol 26:2394-2400. (FA, PubMed)

Gohda F., H. Uchiumi et al. 2007. Identification of inherited macrothrombocytopenias based on mean platelet volume among patients diagnosed with idiopathic thrombocytopenia. Thrombosis Research 119:741-746. (FC, PubMed)

Takahashi R., N. Sekine et al. 1999. Influence of Monoclonal Antiplatelet Glycoprotein Antibodies on In Vitro Human Megakaryocyte Colony Formation and Proplatelet Formation. Blood 93(6):1951-1958. (FA, PubMed)

### Related Products

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-4714 Mouse IgG1 K Isotype Control Purified

17-4317 Streptavidin APC

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