

Anti-Hu CD42b Purified GP1BA Monoclonal Antibody

Catalog Number: M02073-1

About GP1BA

CD42b (GPIb alpha) composes together with GPIb beta, GPIX and GPV the GPIb-IX-V receptor complex critical in the process of platelet-rich thrombus formation by tethering the platelet to a thrombogenic surface. CD42b binds to von Willebrand factor (VWF) exposed at a site of vascular injury, as well as to thrombin, coagulation factors XI and XII, high molecular weight kininogen, TSP-1, integrin Mac-1 and P-selectin. The extracellular domain of CD42b by its interactions also contributes to metastasis.

Overview

Product Name	Anti-Hu CD42b Purified GP1BA Monoclonal Antibody
Reactive Species	Human, Primate
Description	Boster Bio Anti-Hu CD42b Purified GP1BA Monoclonal Antibody (Catalog# M02073-1). Tested in Flow Cytometry, IHC-F application(s). This antibody reacts with Primate, Human.
Application	Flow Cytometry, IHC-F
Clonality	Monoclonal HIP1
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P07359

Technical Details

Immunogen	Peripheral blood mononuclear cells of a patient suffering with CLL. The antibody HIP1 reacts with an extracellular epitope of CD42b (GPIb alpha), a 135-145 kDa membrane glycoprotein expressed on platelets and megakaryocytes. CD42b and CD42c (GPIb beta) are composed in a disulfide linked heterodimer (CD42b/c; 160 kDa); CD42b/c forms a noncovalent complex with CD42a and CD42d.
Predicted Reactive Species	Primate
Cross Reactivity	This antibody does not cross-react with Thy-1.1 alloantigen.
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Flow cytometry: 1-4 µg/ml

Anti-Hu CD42b Purified GP1BA Monoclonal Antibody (M02073-1) Images

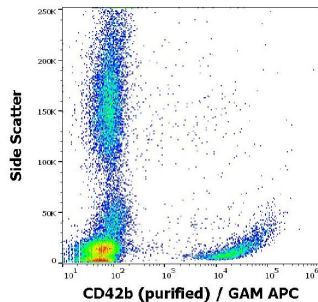


Figure 1. Flow Cytometry validation of GP1BA using Anti-Hu CD42b Purified GP1BA Monoclonal Antibody (M02073-1).

Flow cytometry surface staining pattern of human peripheral blood cells stained using anti-human CD42b (HIP1) purified antibody (concentration in sample 4 ug/ml) GAM APC.

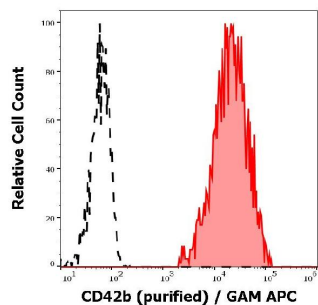


Figure 2. Flow Cytometry validation of GP1BA using Anti-Hu CD42b Purified GP1BA Monoclonal Antibody (M02073-1).

Separation of human thrombocytes (red-filled) from CD42b negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD42b (HIP1) purified antibody (concentration in sample 4 ug/ml) GAM APC.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Hu CD42b Purified GP1BA Monoclonal Antibody