

Anti-Hu CD41a Purified ITGA2B Monoclonal Antibody

Catalog Number: M01102-1

About ITGA2B

CD41 (platelet glycoprotein IIb) is composed of two subunits (120 kDa α , and 23 kDa β) that interact with CD61 in the presence of calcium to form a functional adhesive protein receptor. Upon blood vessel damage, this receptor binds to a variety of proteins including von Willebrand factor, fibrinogen, fibronectin and vitronectin. CD41 is mainly expressed on megakaryocyte-platelet lineage, but generally belongs to the antigens that are expressed during early stages of hematopoietic differentiation.

Overview

Product Name	Anti-Hu CD41a Purified ITGA2B Monoclonal Antibody
Reactive Species	Human, Primate
Description	Boster Bio Anti-Hu CD41a Purified ITGA2B Monoclonal Antibody (Catalog# M01102-1). Tested in Flow Cytometry, IHC-F application(s). This antibody reacts with Primate, Human.
Application	Flow Cytometry, IHC-F
Clonality	Monoclonal HIP8
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	P08514

Technical Details

Immunogen	The antibody HIP8 reacts with an extracellular epitope on α (a) subunit of CD41 (heavy chain; 120 kDa). CD41 is mainly expressed on platelets and megakaryocytes. The antibody HIP8 blocks platelet aggregation and completely inhibits ADP-, epinephrine-, and collagen-induced platelet activation, and partially inhibits ristocetin- and thrombin-induced platelet activation. HIP8 is useful in the morphological and physiological studies of platelets and megakaryocytes.
Predicted Reactive Species	Primate
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 CD41a Purified ITGA2B Monoclonal Antibody (M01102-1) Images

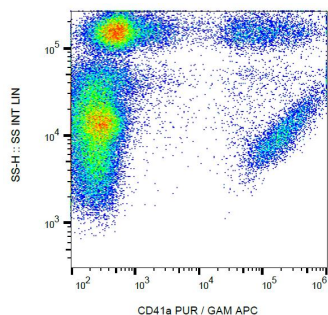


Figure 1. Flow Cytometry validation of ITGA2B using Anti-Hu CD41a Purified ITGA2B Monoclonal Antibody (M01102-1).

Flow cytometry (surface staining) of human peripheral blood cells with anti-CD41a (HIP8) purified

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