

Datasheet for ABIN1112144  
**anti-CD42b antibody (FITC)**[Go to Product page](#)

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## Overview

Quantity:	100 tests
Target:	CD42b (GP1BA)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD42b antibody is conjugated to FITC
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

## Product Details

Clone:	H1P1
Isotype:	IgG1
Characteristics:	Monoclonal Mouse Anti-Human CD42b FITC, is recommended for use in flow cytometry for identification of platelets, thrombocytes and megakaryocytes.

## Target Details

Target:	CD42b (GP1BA)
Alternative Name:	CD42b ( <a href="#">GP1BA Products</a> )
Background:	The antibody is directed against the CD42b antigen, platelet glycoprotein gp1bA, that serves as a receptor for Von Willebrand factor (vWF) and as a high affinity thrombin receptor. AK2 immunoblots a band of 130kDa on SDS gels of platelet lysates and gives surface immunofluorescence with fixed or unfixed platelets. The antigen is absent in very low levels on

## Target Details

platelets with the Bernard-Soulier syndrome

## Application Details

Application Notes:	It is recommended for use in flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 20 µl/10 <sup>6</sup> cells.
Comment:	Fluorescein isothiocyanate (Molecular Probes).
Sample Preparation:	1. Transfer 5 µl of anticoagulated (EDTA) blood to a 12 x 75 mm polystyrene test tube (10 <sup>6</sup> cells). 2. Add 95 µl of PBS (It better that it containing 2% bovine serum albumin) without Fixative mix gently with a vortex mixer. 3. Add 20 µl of CD42b FITC and mix gently with a vortex mixer. The 20 µl is a guideline only, the optimal volume should be determined by the individual laboratory. 4. The recommended negative control is a non-reactive FITC-conjugated antibody of the same isotype. 5. Incubate in the dark at room temperature at 4°C for 30 minutes or at room temperature (20-25 °C) for 15 minutes. 6. Add 0, 2 ml 0.01 mol/l PBS (It betters that it containing 2% bovine serum albumin) and resuspend the cells by using a vortex mixer. 7. Analyse on a flow cytometer, and the readings of the cytometer are recorded, bearing in the mind that the FSC and SSC light dispersion parameters must be on a logarithmic scale.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	The conjugate is provided in liquid form in buffer containing 1% bovine serum albumin (BSA) and 0,09% Sodium azide, pH 7.2.
Preservative:	Sodium azide
Precaution of Use:	1. The device is not intended for clinical use including diagnosis, prognosis, and monitoring of a disease state, and it must not be used in conjunction with patient records or treatment. 2. This product contains Sodium azide (NaN <sub>3</sub> ), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, Sodium azide may react with lead and copper plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing. 3. As with any product derived from biological sources, proper handling procedures should be used.
Storage:	4 °C

## Publications

Product cited in:

Park, Tait, Kawasaki, Rowley, Mackay: "Closer association of IA-2 humoral autoreactivity with HLA DR3/4 than DQB1\*0201/\*0302 in Korean T1D patients." in: **Annals of the New York Academy of Sciences**, Vol. 1037, pp. 104-9, (2005) ([PubMed](#)).

Iwama, Ikezaki, Kikuoka, Kim, Matsuoka, Yanagawa, Sato, Hoshi, Sakamaki, Sugihara: "Association of HLA-DR, -DQ genotype and CTLA-4 gene polymorphism with Graves' disease in Japanese children." in: **Hormone research**, Vol. 63, Issue 2, pp. 55-60, (2005) ([PubMed](#)).

Arnold, Pei, Spriewald, Wassmuth: "Anti-HLA class II antibodies in kidney retransplant patients." in: **Tissue antigens**, Vol. 65, Issue 4, pp. 370-8, (2005) ([PubMed](#)).

Spriewald, Witzke, Wassmuth, Wenzel, Arnold, Philipp, Kalden: "Distinct tumour necrosis factor alpha, interferon gamma, interleukin 10, and cytotoxic T cell antigen 4 gene polymorphisms in disease occurrence and end stage renal disease in Wegener's granulomatosis." in: **Annals of the rheumatic diseases**, Vol. 64, Issue 3, pp. 457-61, (2005) ([PubMed](#)).

Quintero, Pizarro, Rodrigo, Piqué, Lanas, Ponce, Miño, Gisbert, Jurado, Herrero, Jiménez, Torrado, Ponte, Díaz-de-Rojas, Salido: "Association of Helicobacter pylori-related distal gastric cancer with the HLA class II gene DQB10602 and cagA strains in a southern European population." in: **Helicobacter**, Vol. 10, Issue 1, pp. 12-21, (2005) ([PubMed](#)).

## Images

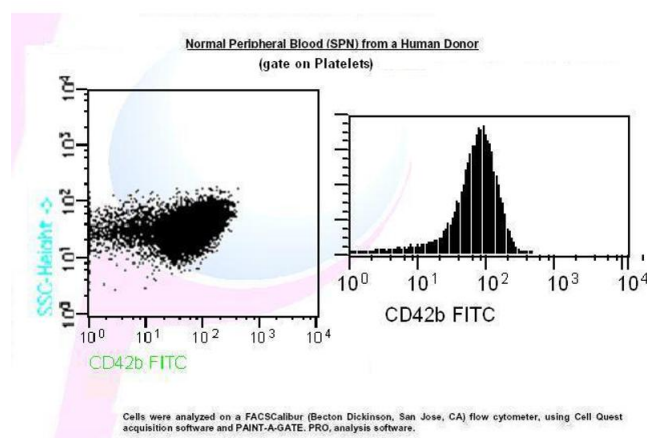


Image 1.