

Datasheet for ABIN1112200

anti-Integrin beta 3 antibody (FITC)[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	100 tests
Target:	Integrin beta 3 (ITGB3)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Integrin beta 3 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Clone:	C17
Isotype:	IgG1
Characteristics:	Monoclonal Mouse Anti-Human CD61 FITC is recommended for use in flow cytometry for identification of human Platelets.

Target Details

Target:	Integrin beta 3 (ITGB3)
Alternative Name:	CD61 (ITGB3 Products)
Background:	This clone has been clustered to CD61 in the fourth international Workshop on Human White Cell differentiation Antigens. The antibody is specific to the 110kDa platelet glycoprotein gp IIIa and inhibits platelet aggregation and activation induced by thrombin and collagen. The platelet glycoprotein is the integrin α -3 chain of the vitronectin receptor and GP IIb/IIIa. The antigen is

Target Details

present on platelets and megakaryocytes.

Pathways:

[Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Smooth Muscle Cell Migration](#), [Integrin Complex](#)

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/10⁶ cells.

Comment:

Fluorescein isothiocyanate (Molecular Probes).

Sample Collection:

1. Transfer 5 µl of anticoagulated (EDTA) blood to a 12 x 75 mm polystyrene test tube (10⁶ 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 CD61 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 better 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 (NaN₃), 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

Handling

derived from biological sources, proper handling procedures should be used.

Storage: 4 °C

Publications

Product cited in: Arroyo, García-Marcos, López, Menéndez, Tabernero, Sánchez-Abarca, Avila-Zarza, San Miguel, Orfao: "Evaluation of a CD61 MoAb method for enumeration of platelets in thrombocytopenic patients and its impact on the transfusion decision-making process." in: **Transfusion**, Vol. 41, Issue 10, pp. 1212-6, (2001) ([PubMed](#)).

Images

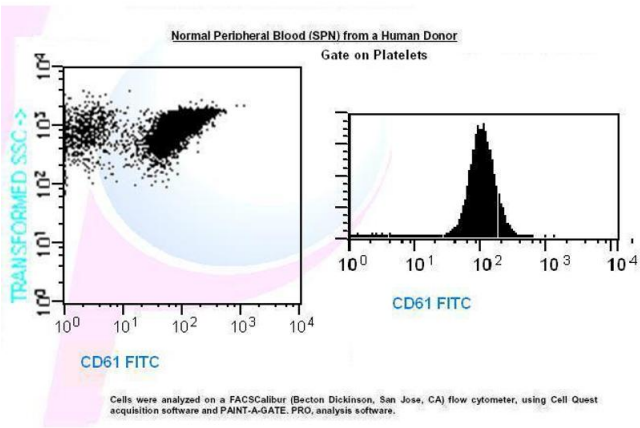


Image 1.