abcam

Product datasheet

Anti-CD41 antibody [MWReg30] (PE/Cy7 ®) ab95726

4 References　画像数 1

製品の概要

製品名	Anti-CD41 antibody [MWReg30] (PE/Cy7 ®)
製品の詳細	Rat monoclonal [MWReg30] to CD41 (PE/Cy7 ®)
由来種	Rat
標識	PE/Cy7 ®. Ex: 496nm, Em: 774nm
アプリケーション	**適用あり:** Flow Cyt
種交差性	**交差種:** Mouse
免疫原	Mouse platelets
ポジティブ・コントロール	Mouse platelets

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	Preservative: 0.09% Sodium Azide Constituents: 0.1% Gelatin, PBS, pH 7.2
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	MWReg30
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

Our Abpromise guarantee covers the use of **ab95726** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

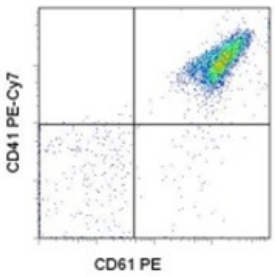
アプリケーション	Abreviews	特記事項

アプリケーション	Abreviews	特記事項
Flow Cyt		Use 0.25-0.5µg for 10^{5-8} cells. A final volume of 100µl is recommended. ab154459 - Rat monoclonal IgG1, is suitable for use as an isotype control with this antibody.

ターゲット情報

機能	Integrin alpha-IIb/beta-3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. It recognizes the sequence R-G-D in a wide array of ligands. It recognizes the sequence H-H-L-G-G-G-A-K-Q-A-G-D-V in fibrinogen gamma chain. Following activation integrin alpha-IIb/beta-3 brings about platelet/platelet interaction through binding of soluble fibrinogen. This step leads to rapid platelet aggregation which physically plugs ruptured endothelial cell surface.
組織特異性	Isoform 1 and isoform 2 were identified in platelets and megakaryocytes, but not in reticulocytes or in Jurkat and U937 white blood cell line. Isoform 3 is expressed by leukemia, prostate adenocarcinoma and melanoma cells but not by platelets or normal prostate or breast epithelial cells.
関連疾患	Defects in ITGA2B are a cause of Glanzmann thrombasthenia (GT) [MIM:273800]; also known as thrombasthenia of Glanzmann and Naegeli. GT is the most common inherited disease of platelets. It is an autosomal recessive disorder characterized by mucocutaneous bleeding of mild-to-moderate severity and the inability of this integrin to recognize macromolecular or synthetic peptide ligands. GT has been classified clinically into types I and II. In type I, platelets show absence of the glycoprotein IIb/beta-3 complexes at their surface and lack fibrinogen and clot retraction capability. In type II, the platelets express the glycoprotein IIb/beta-3 complex at reduced levels (5-20% controls), have detectable amounts of fibrinogen, and have low or moderate clot retraction capability. The platelets of GT 'variants' have normal or near normal (60-100%) expression of dysfunctional receptors.
配列類似性	Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats.
細胞内局在	Membrane.

画像



Flow Cytometry - Anti-CD41 antibody [MWReg30] (PE/Cy7 ®) (ab95726)

Staining of mouse platelets with anti-Mouse CD61 PE and 0.25 µg of ab95726.

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