

Anti-Integrin beta 3 antibody [HCD61] ab125717

[1 References](#) [1 图像](#)

概述

产品名称	Anti-Integrin beta 3抗体[HCD61]
描述	小鼠单克隆抗体[HCD61] to Integrin beta 3
宿主	Mouse
经测试应用	适用于: WB, IP, ELISA, IHC-P, Flow Cyt
种属反应性	与反应: Human
免疫原	Human platelets
阳性对照	Human peripheral blood platelets

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Constituent: PBS Note: Contains antibody stabilizer
纯度	Ascites
纯化说明	ab125717 is purified by Isotyping-specific Affinity Purification.
克隆	单克隆
克隆编号	HCD61
同种型	IgG1
轻链类型	kappa

应用

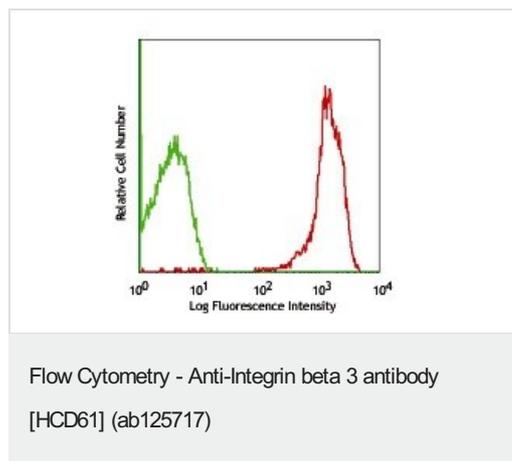
The Abpromise guarantee **Abpromise™**承诺保证使用ab125717于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use a concentration of 0.1 - 1 µg/ml. Predicted molecular weight: 87 kDa.
IP		Use a concentration of 2 - 5 µg/ml.
ELISA		Use a concentration of 0.01 - 0.1 µg/ml.
IHC-P		Use a concentration of 2 - 5 µg/ml.
Flow Cyt		Use a concentration of 5 - 10 µg/ml. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

功能	<p>Integrin alpha-V/beta-3 is a receptor for cytotactin, fibronectin, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin, vitronectin and von Willebrand factor. Integrin alpha-IIb/beta-3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. Integrins alpha-IIb/beta-3 and alpha-V/beta-3 recognize the sequence R-G-D in a wide array of ligands. Integrin alpha-IIb/beta-3 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 surface. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions.</p>
组织特异性	<p>Isoform beta-3A and isoform beta-3C are widely expressed. Isoform beta-3A is specifically expressed in osteoblast cells; isoform beta-3C is specifically expressed in prostate and testis.</p>
疾病相关	<p>Defects in ITGB3 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.</p>
序列相似性	<p>Belongs to the integrin beta chain family. Contains 1 VWFA domain.</p>
翻译后修饰	<p>Phosphorylated on tyrosine residues in response to thrombin-induced platelet aggregation. Probably involved in outside-in signaling. A peptide (AA 740-762) is capable of binding GRB2 only when both Tyr-773 and Tyr-785 are phosphorylated. Phosphorylation of Thr-779 inhibits SHC binding.</p>
细胞定位	<p>Membrane.</p>



Human peripheral blood platelets (total viable cell number is $1 \times 10^6/100 \mu\text{l}$) were stained by $5 \mu\text{g}$ of ab125717 at RT for 30 min followed by FITC conjugated Goat anti Mouse IgG.

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