

Anti-CD61 / Integrin beta-3 / Platelet Glycoprotein IIIa (Platelet Marker) ITGB3 Monoclonal Antibody

Catalog Number: M00587

About ITGB3

Reacts with human integrin beta3 (GPIIIa, vitronectin receptor beta chain). It associates with the IIb-chain (CD41) to form the GPIIb/GpIIIa complex (CD41/CD61). The CD41/CD61 complex appears early in megakaryocyte maturation. The activated CD41/CD61 complex is a receptor for von Willebrand factor, soluble fibrinogen, fibronectin, vitronectin and thrombospondin. It plays a central role in platelet activation and aggregation. The CD51/CD61 is implicated in tumor metastasis and adenoviral infection. The antibody detects platelets in smears of blood and bone marrow, as well as megakaryocytes in frozen sections and cell smears. The antibody is useful for classification of megakaryoblastic leukemia.

Overview

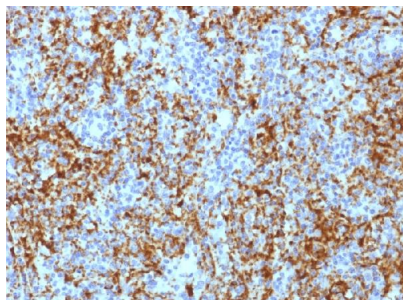
Product Name	Anti-CD61 / Integrin beta-3 / Platelet Glycoprotein IIIa (Platelet Marker) ITGB3 Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-CD61 / Integrin beta-3 / Platelet Glycoprotein IIIa (Platelet Marker) ITGB3 Monoclonal Antibody (Catalog # M00587). Tested in IHC applications. This antibody reacts with Human.
Conjugate	Biotin
Application	IHC
Clonality	Monoclonal Clone: ITGB3/1713
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	P05106

Technical Details

Immunogen	Recombinant human ITGB3 protein
Predicted Reactive Species	Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa

Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistochemistry (Frozen & Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes)</p> <p>Optimal dilution for a specific application should be determined.</p>

Anti-CD61 / Integrin beta-3 / Platelet Glycoprotein IIIa (Platelet Marker) ITGB3 Monoclonal Antibody (M00587) Images



Formalin-fixed, paraffin-embedded human Spleen stained with Anti-CD61 Mouse Monoclonal Antibody (ITGB3/1713).

3 Publications Citing This Product

1. PubMed ID: 10.1016/j.ejphar.2009.07.011, Construction of drug screening cell model and application to new compounds inhibiting FITC-fibrinogen binding to CHO cells expressing human α IIb β 3
 2. PubMed ID: 21747684, Study on the Expression and Clinical Significances of Lewis y Antigen and Integrin α v, β 3 in Epithelial Ovarian Tumors
 3. PubMed ID: 18200665, Correlation of integrin α 3 β 23 mRNA and vascular endothelial growth factor protein expression profiles with the clinicopathological features and prognosis of α 2026
- Visit bosterbio.com/anti-cd61-integrin-beta-3-platelet-glycoprotein-iii-a-platelet-marker-antibody-m00587-boster.html to see all 3 publications.

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