Mouse anti-Human CD61/Integrin '3/Platelet Glycoprotein IIIa Antibody | anti-ITGB3 antibody

CD61/Integrin '3/Platelet Glycoprotein IIIa (Platelet Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215045	**Mouse**	**Human**	**Immunohistochemistry**

PRODUCT SYNONYMS

CD61/Integrin '3/Platelet Glycoprotein IIIa; CD61/Integrin '3/Platelet Glycoprotein IIIa (Platelet Marker); BDPLT2; GP3A; GPIIIa; GT; HPA 1; HPA 4; Integrin beta-3; ITGB3; NAIT; Platelet fibrinogen receptor beta subunit; Platelet glycoprotein IIIa; PTP; anti-ITGB3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	IgG1, kappa
Clone Number	rITGB3/2145
Specificity	Reacts with human integrin beta3 (GPIIIa, vitronectin receptor beta chain). It associates with the V-chain (CD51) to form vitronectin receptor, or 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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	788
Applicable Applications for anti-ITGB3 antibody	IHC (Immunohistochemistry)
Positive Control	Human spleen tissue (IHC).
Immunogen	Recombinant human ITGB3 protein fragment (aa 385-490) (exact sequence is proprietary)
Cellular Localization	Cell Surface
Hu-chromosome Location	17q21.32
Antibody Type	Recombinant Mouse Monoclonal Antibody
Preparation and Storage	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.

IMAGES

SDS-PAGE
SDS-PAGE Analysis Purified CD61 Recombinant Mouse Monoclonal Antibody (rITGB3/2145). Confirmation of Purity and Integrity of Antibody.

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human spleen stained with CD61 Recombinant Mouse Monoclonal Antibody (rITGB3/2145).

ADDITIONAL INFORMATION

References	Gatter KC., et al. Histopathology 1988; 13:257-67

NCBI AND UNIPROT INFORMATION

NCBI GI #	47078292
NCBI GeneID	3690
NCBI Accession #	NP_000203.2
NCBI GenBank Nucleotide #	NP_000203.2
UniProt Accession #	P05106
Molecular Weight	105kDa & 90kDa
NCBI Official Full Name	integrin beta-3
NCBI Official Synonym Full Names	integrin subunit beta 3
NCBI Official Symbol	ITGB3
NCBI Official Synonym Symbols	GT; CD61; GP3A; BDPLT2; GPIIIa; BDPLT16
NCBI Protein Information	integrin beta-3
UniProt Protein Name	Integrin beta-3
UniProt Gene Name	**ITGB3**
UniProt Synonym Gene Names	GP3A; GPIIIa
UniProt Entry Name	ITB3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/mouse-itgb3-human-antibody/cd61-integrin-3-platelet-glycoprotein-iiia/215045