



## ITGA2B (heavy chain, Cleaved-Leu32) mouse mAb

Specificity         This antibody detects endogenous levels of Human ITGA2B (heavy chain, Cleaved-Leu32, protein was cleaved amino acid sequence between 31-32)           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         Integrin alpha-Ilb (GPalpha Ilb;GPIlb;Platelet membrane glycoprotein Ilb;CD antigen CD41) [Cleaved into: Integrin alpha-Ilb heavy chain; Integrin alpha-Ilb light chain, form 2]           Observed Band         95 110kD           Cell Pathway         Membrane; Single-pass type I membrane protein.           Tissue Specificity         Isoform 1 and isoform 2 are expressed in platelets and megakaryocytes, but n reticulocytes. Not detected in Jurkat, nor in U937 cell lines (PubMed:2351656 Isoform 3 is expressed in prostate adenocarcinoma, as well as in several erythroleukemia, prostate adenocarcinoma and melanoma cell lines, including PC-3, DU-145, HEL, WM983A, WM983B and WM35. Not detected in platelets nor in normal prostate (at protein level) (PubMed:9809974).           Function         disease:Defects in ITGA2B are a cause of Glanzmann thrombasthenia (GT) [MIM:273800]; also known as thrombasthenia of Glanzmann and Naegeli. Thi autosomal		
Reactivity         Human;Rat;Mouse;           Applications         WB           Gene Name         ITGA2B GP2B ITGAB           Protein Name         ITGA2B (heavy chain, Cleaved-Leu32)           Immunogen         Synthesized peptide derived from human ITGA2B (heavy chain, Cleaved-Leu32, protein was cleaved amino acid sequence between 31-32)           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         Integrin alpha-Ilb (GPalpha Ilb;GPIlb;Platelet membrane glycoprotein Ilb;CD antigen CD41) [Cleaved into: Integrin alpha-Ilb heavy chain; Integrin alpha-Ilb light chain, form 1; Integrin alpha-Ilb light chain, form 2]           Observed Band         95 110kD           Cell Pathway         Membrane; Single-pass type I membrane protein.           Tissue Specificity         Isoform 1 and isoform 2 are expressed in platelets and megakaryocytes, but not reticulocytes. Not detected in Jurkat, nor in U937 cell lines (PubMed:2351656 Isoform 3 is expressed in prostate adenocarcinoma, as well as neveral erythroleukemia, prostate adenocarcinoma and melanoma cell lin	Catalog No	BYmab-16819
Applications  Gene Name  ITGA2B GP2B ITGAB  Protein Name  ITGA2B (heavy chain, Cleaved-Leu32)  Immunogen  Synthesized peptide derived from human ITGA2B (heavy chain, Cleaved-Leu3P)  This antibody detects endogenous levels of Human ITGA2B (heavy chain, Cleaved-Leu3P)  Formulation  Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source  Monoclonal, Mouse, IgG  Purification  The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution  WB 1:500-2000  Concentration  1 mg/ml  290%  Storage Stability  -20°C/1 year  Synonyms  Integrin alpha-Ilb (GPalpha Ilb;GPIlb;Platelet membrane glycoprotein Ilb;CD antigen CD41) [Cleaved into: Integrin alpha-Ilb heavy chain; Integrin alpha-Ilb light chain, form 2]  Observed Band  95 110kD  Cell Pathway  Membrane; Single-pass type I membrane protein.  Issue Specificity  Isoform 1 and isoform 2 are expressed in platelets and megakaryocytes, but n reticulocytes. Not detected in Jurkat, nor in U937 cell lines (PubMed:2351656 isoform 3 is expressed in prostate adenocarcinoma, as welveral enthroleukemia, prostate adenocarcinoma and melanoma cell lines, including PC-3, DU-145, HEL; WM983B, and WM35. Not detected in platelets nor in normal prostate (at protein level) (PubMed:9809974).  Function  disease: Defects in ITGA2B are a cause of Glanzmann thrombasthenia (GT) [MIM:273800]; also known as thrombasthenia of Glanzmann and Naegeli. Thi autosomal recessive disorder is the most common inier-ten moderate severity autosomal recessive disorder is the most common inier-ten moderate severity	Isotype	IgG
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	ligands. GT has been classified clinically into types I and II. In type I, platelets show absence of the glycoprotein Ilb/beta-3 complexes at their surface and lack fibrinogen and clot retraction caMABility. In type II, the platelets express the glycoprotein Ilb/beta-3 complex at reduced levels (5-20% controls), have detectable amounts of fibrinogen, and have low or moderate clot retraction caMABility. The platelets of GT 'variants' have normal or near normal (60-100%) expression of dysfunctional receptors.,fun
Background	This gene encodes a member of the integrin alpha chain family of proteins. The encoded preproprotein is proteolytically processed to generate light and heavy chains that associate through disulfide linkages to form a subunit of the alpha-IIb/beta-3 integrin cell adhesion receptor. This receptor plays a crucial role in the blood coagulation system, by mediating platelet aggregation. Mutations in this gene are associated with platelet-type bleeding disorders, which are characterized by a failure of platelet aggregation, including Glanzmann thrombasthenia. [provided by RefSeq, Jan 2016],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**

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