

## Mouse CD41a / Integrin alpha2b Monoclonal Antibody | anti-ITGA2B antibody

CD41a / Integrin alpha2b (Platelet Marker) Mouse Monoclonal Antibody

| CATALOG # | HOST  | REACTIVITY               | APPLICATIONS                                         |
|-----------|-------|--------------------------|------------------------------------------------------|
| AAA62833  | Mouse | Human, Others not tested | Immunofluorescence, Flow Cytometry, Functional Assay |

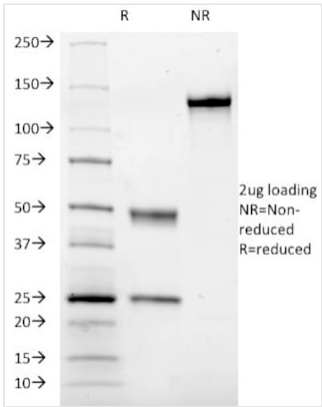
### PRODUCT SYNONYMS

CD41a / Integrin alpha2b; Monoclonal Antibody; CD41a / Integrin alpha2b (Platelet Marker) Mouse Monoclonal Antibody; BDPLT16; BDPLT2; GPalpha IIb; GT; HPA3; Integrin alpha IIb; ITGA2B; ITGAB; platelet fibrinogen receptor; alpha subunit; platelet glycoprotein IIb of IIb/IIIa complex; anti-ITGA2B antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                                                                                                                                                                                                                                                 |
| Reactivity                                       | Human, Others not tested                                                                                                                                                                                                                                                                                                                                              |
| Clonality                                        | Monoclonal                                                                                                                                                                                                                                                                                                                                                            |
| Isotype                                          | IgG1, kappa                                                                                                                                                                                                                                                                                                                                                           |
| Clone Number                                     | ITGA2B/1036                                                                                                                                                                                                                                                                                                                                                           |
| Specificity                                      | Reacts with a calcium-dependent complex of CD41/CD61, a dimer of 90kDa and 140kDa present on the membrane of normal platelets and megakaryocytes. CD41/CD61 is also known as platelet glycoprotein GPIIb/GPIIIa or integrin IIa/3. This complex is the receptor of fibrinogen, fibronectin and von Willebrand factor, and mediates platelet adhesion and aggregation. |
| 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                                  | 1039                                                                                                                                                                                                                                                                                                                                                                  |
| Applicable Applications for anti-ITGA2B antibody | IF (Immunofluorescence), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                    |
| Cellular Localization                            | Cell Surface                                                                                                                                                                                                                                                                                                                                                          |
| Immunogen                                        | Recombinant full-length human Integrin alpha IIb protein                                                                                                                                                                                                                                                                                                              |
| Hu-Chromosome Location                           | 17q21.32                                                                                                                                                                                                                                                                                                                                                              |
| Positive Control                                 | KG1a, HEL cells, and human platelets in lymph nodes or tonsils.                                                                                                                                                                                                                                                                                                       |
| Preparation and Storage                          | Antibody with azide - store at 2°C to 8°C. Antibody without azide - store at -20°C to -80°C. Non-hazardous. No MSDS required.                                                                                                                                                                                                                                         |

IMAGES



**SDS-PAGE**  
SDS-PAGE Analysis Purified CD41a Mouse Monoclonal Antibody (ITGA2B/1036).  
Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | McMichael AJ et al. (eds) Leukocyte Typing III, Oxford University Press, Oxford, 1987. Schlossman S. et al. (eds) Leukocyte Typing V, Oxford University Press, Oxford, 1995. Smith JW et al. Interaction of integrins v3 and glycoprotein IIb-IIIa with fibrinogen. Differential peptide recognition accounts for distinct binding sites. J Biol Chem 1990, 265(21):12267-12271. Du XP et al. Ligands activate integrin IIb/3 (platelet GPIIb-IIIa). Cell 1991, 65(3):409-416. Law DA et al. Outside-in integrin signal transduction. IIb/3-(GP IIb/IIIa) tyrosine phosphorylation induced by platelet aggregation. J Biol Chem 1996, 271(18):10811-10815. Moroi M and Jung SM. Integrin-mediated platelet adhesion. Front Biosci 1998, 3:D719-728 |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| NCBI GI #                        | 88758615                                                          |
| NCBI GeneID                      | 3674                                                              |
| NCBI Accession #                 | NP_000410.2                                                       |
| NCBI GenBank Nucleotide #        | NM_000419.4                                                       |
| UniProt Accession #              | P08514; O95366; Q14443; Q17R67; B2RCY8                            |
| Molecular Weight                 | 90kDa                                                             |
| NCBI Official Full Name          | integrin alpha-IIb preproprotein                                  |
| NCBI Official Synonym Full Names | integrin subunit alpha 2b                                         |
| NCBI Official Symbol             | ITGA2B                                                            |
| NCBI Official Synonym Symbols    | GT; GTA; CD41; GP2B; HPA3; CD41B; GPIIb; BDPLT2; BDPLT16; PPP1R93 |
| NCBI Protein Information         | integrin alpha-IIb                                                |
| UniProt Protein Name             | Integrin alpha-IIb                                                |
| UniProt Gene Name                | ITGA2B                                                            |
| UniProt Synonym Gene Names       | GP2B; ITGAB; GPIIb                                                |
| UniProt Entry Name               | ITA2B_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.

