

# ITGB3 monoclonal antibody, clone PM6/13

Catalog # MAB6226

Size 100 ug

## Specification

|                            |                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Mouse monoclonal antibody raised against native ITGB3.                                                            |
| <b>Immunogen</b>           | Native purified human platelet plasma membrane.                                                                   |
| <b>Host</b>                | Mouse                                                                                                             |
| <b>Reactivity</b>          | Human                                                                                                             |
| <b>Specificity</b>         | human CD61.                                                                                                       |
| <b>Form</b>                | Liquid                                                                                                            |
| <b>Isotype</b>             | IgG1                                                                                                              |
| <b>Recommend Usage</b>     | Flow Cytometry (1 ug/10 <sup>6</sup> cells)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In 100 mM BBS, pH 8.2                                                                                             |
| <b>Storage Instruction</b> | Store at 4°C.                                                                                                     |

## Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunohistochemistry (Frozen sections)
- Immunoprecipitation
- Flow Cytometry

## Gene Info — ITGB3

**Entrez GeneID** [3690](#)

**Gene Name** ITGB3

**Gene Alias** CD61, GP3A, GPIIIa

**Gene Description** integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)

**Omim ID** [173470](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** The ITGB3 protein product is the integrin beta chain beta 3. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. Integrin beta 3 is found along with the alpha IIb chain in platelets. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. [provided by RefSeq]

**Other Designations** integrin beta chain, beta 3|platelet glycoprotein IIIa

## Publication Reference

- [Inherited diseases of platelet glycoproteins: considerations for rapid molecular characterization.](#)

Bray PF.

Thromb Haemost 1994 Aug; 72(4):492.

- [The osteoclast functional antigen, implicated in the regulation of bone resorption, is biochemically related to the vitronectin receptor.](#)

Davies J, Warwick J, Totty N, Philp R, Helfrich M, Horton M.

The Journal of Cell Biology 1989 Oct; 109(4 Pt 1):1817.

Application: IF, IP, IHC-Fr, IHC-P, WB-Ce, WB-Ti, WB-Tr, Human, Monkey, Human osteoclastoma, HUVECs, Purified proteins, Vero cells

## Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [ECM-receptor interaction](#)
- [Focal adhesion](#)

- [Hematopoietic cell lineage](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Regulation of actin cytoskeleton](#)

## Disease

- [Abortion](#)
- [Acute Chest Syndrome](#)
- [Acute Disease](#)
- [Albuminuria](#)
- [Amyotrophic lateral sclerosis](#)
- [Anemia](#)
- [Aneurysm](#)
- [Angina](#)
- [Angina Pectoris](#)
- [Antiphospholipid Syndrome](#)
- [Arterial Occlusive Diseases](#)
- [Arteriosclerosis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [Autistic Disorder](#)
- [beta-Thalassemia](#)
- [Blood Coagulation Disorders](#)
- [Blood Loss](#)
- [Blood Platelet Disorders](#)
- [Body Weight](#)

- [Brain Infarction](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cadaver](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Celiac Disease](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Coronary Thrombosis](#)
- [Death](#)

- [Dengue Hemorrhagic Fever](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Disease Progression](#)
- [Ductus Arteriosus](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Embryo Loss](#)
- [Epistaxis](#)
- [Fetal Death](#)
- [Fetal Membranes](#)
- [Gastrointestinal Hemorrhage](#)
- [Genetic Predisposition to Disease](#)
- [Giant Cell Arteritis](#)
- [Glomerulonephritis](#)
- [Glomerulosclerosis](#)
- [Graft Occlusion](#)
- [Hearing Loss](#)
- [Heart Defects](#)
- [Heart Diseases](#)
- [Helicobacter Infections](#)
- [Hemolytic-Uremic Syndrome](#)
- [Hemophilia A](#)
- [Hemorrhage](#)
- [Hemorrhagic Disorders](#)

- [Hemorrhagic Fever with Renal Syndrome](#)
- [Hepatitis C](#)
- [Hip Fractures](#)
- [Hypercholesterolemia](#)
- [Hyperhomocysteinemia](#)
- [Hyperinsulinism](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type II](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Infant](#)
- [Infertility](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Insulin Resistance](#)
- [Intermittent Claudication](#)
- [Intracranial Aneurysm](#)
- [Intracranial Arteriosclerosis](#)
- [Intracranial Embolism](#)
- [Intracranial Thrombosis](#)
- [Intraoperative Complications](#)
- [Ischemic Attack](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Lung Neoplasms](#)

- [Lupus Erythematosus](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Mental Status Schedule](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Mitral Valve Stenosis](#)
- [Mouth Neoplasms](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Optic Neuritis](#)
- [Optic Neuropathy](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pain](#)
- [Peptic Ulcer](#)
- [Peripheral Vascular Diseases](#)
- [Polycystic Ovary Syndrome](#)
- [Polycythemia Vera](#)

- [Postoperative Complications](#)
- [Postoperative Hemorrhage](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Prosthesis Failure](#)
- [Proteinuria](#)
- [Pulmonary Disease](#)
- [Pulmonary Embolism](#)
- [Recurrence](#)
- [Respiratory Hypersensitivity](#)
- [Respiratory Sounds](#)
- [Retinal Artery Occlusion](#)
- [Retinal Vein Occlusion](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Syndrome](#)
- [Thrombasthenia](#)
- [Thrombocythemia](#)
- [Thrombocytopenia](#)
- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Thrombotic Microangiopathies](#)
- [Tobacco Use Disorder](#)

- [Tooth Abnormalities](#)
- [Vascular Diseases](#)
- [Venous Thrombosis](#)
- [Virilism](#)
- [Werner syndrome](#)