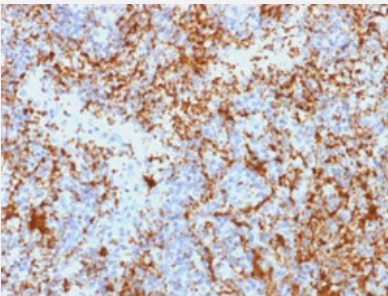


ITGB3 monoclonal antibody, clone Y2/51

Catalog # MAB14568 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human spleen with ITGB3 monoclonal antibody, clone Y2/51 (Cat # MAB14568).

Specification

Product Description	Mouse monoclonal antibody raised against native human ITGB3.
Immunogen	Phytohemagglutinin (PHA)-stimulated peripheral blood cells.
Host	Mouse
Theoretical MW (kDa)	105, 90
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) Immunohistochemistry (Frozen sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human spleen with ITGB3 monoclonal antibody, clone Y2/51 (Cat # MAB14568).

- Immunohistochemistry (Frozen sections)

- Immunofluorescence

- Flow Cytometry

Gene Info — ITGB3

Entrez GeneID[3690](#)**Protein Accession#**[P05106](#)**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

- [The immunohistological detection of platelets, megakaryocytes and thrombi in routinely processed specimens.](#)

Gatter KC, Cordell JL, Turley H, Heryet A, Kieffer N, Anstee DJ, Mason DY.

Histopathology 1988 Sep; 13(3):257.

Application: IHC, WB-Ce, Mouse, Platelets, Megakaryocytes

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](#)