

# GP1BA monoclonal antibody, clone HIP1

Catalog # MAB0943

Size 100 ug

## Specification

|                             |                                                                                                                                                                                                                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Mouse monoclonal antibody raised against native GP1BA.                                                                                                                                                                                                                                |
| <b>Immunogen</b>            | Native purified GP1BA from peripheral blood mononuclear cells of a patient suffering from CLL.                                                                                                                                                                                        |
| <b>Host</b>                 | Mouse                                                                                                                                                                                                                                                                                 |
| <b>Theoretical MW (kDa)</b> | 135-145                                                                                                                                                                                                                                                                               |
| <b>Reactivity</b>           | Human, Primates                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>          | This antibody reacts with CD42b (GPIb alpha), a 135-145 KDa membrane glycoprotein expressed on platelets and megakaryocytes. CD42b and CD42c (GPIb beta) are composed in a disulfide linked heterodimer (CD42b/c; 160 KDa); CD42b/c forms a noncovalent complex with CD42a and CD42d. |
| <b>Form</b>                 | Liquid                                                                                                                                                                                                                                                                                |
| <b>Purification</b>         | Protein A purification                                                                                                                                                                                                                                                                |
| <b>Isotype</b>              | IgG1                                                                                                                                                                                                                                                                                  |
| <b>Recommend Usage</b>      | The optimal working dilution should be determined by the end user.                                                                                                                                                                                                                    |
| <b>Storage Buffer</b>       | In PBS, pH 7.4 (0.09% sodium azide)                                                                                                                                                                                                                                                   |
| <b>Storage Instruction</b>  | Store at 4°C. Do not freeze.<br>Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                       |
| <b>Note</b>                 | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                                                                                                                |

## Applications

- Immunohistochemistry (Frozen sections)
- Flow Cytometry

## Gene Info — GP1BA

Entrez GeneID [2811](#)

Gene Name GP1BA

Gene Alias BSS, CD42B, CD42b-alpha, GP1B, MGC34595

Gene Description glycoprotein Ib (platelet), alpha polypeptide

Omim ID [177820](#) [231200](#) [258660](#) [606672](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

Glycoprotein Ib (GP Ib) is a platelet surface membrane glycoprotein composed of a heterodimer, an alpha chain and a beta chain, that are linked by disulfide bonds. The Gp Ib functions as a receptor for von Willebrand factor (VWF). The complete receptor complex includes noncovalent association of the alpha and beta subunits with platelet glycoprotein IX and platelet glycoprotein V. The binding of the GP Ib-IX-V complex to VWF facilitates initial platelet adhesion to vascular subendothelium after vascular injury, and also initiates signaling events within the platelet that lead to enhanced platelet activation, thrombosis, and hemostasis. This gene encodes the alpha subunit. Several polymorphisms and mutations have been described in this gene, some of which are the cause of Bernard-Soulier syndromes and platelet-type von Willebrand disease. [provided by RefSeq]

**Other Designations** platelet glycoprotein Ib alpha polypeptide|platelet membrane glycoprotein 1b-alpha subunit

## Pathway

- [ECM-receptor interaction](#)
- [Hematopoietic cell lineage](#)

## Disease

- [Acute Chest Syndrome](#)
- [Acute Disease](#)
- [Anemia](#)
- [Aneurysm](#)
- [Angina](#)
- [Antiphospholipid Syndrome](#)

- [Arterial Occlusive Diseases](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Bernard-Soulier Syndrome](#)
- [Blood Platelet Disorders](#)
- [Brain Ischemia](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chorioamnionitis](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Coronary Thrombosis](#)
- [Death](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Disease Progression](#)
- [Ductus Arteriosus](#)
- [Edema](#)

- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Heart Diseases](#)
- [Hemolytic-Uremic Syndrome](#)
- [Hemorrhage](#)
- [Hemorrhagic Disorders](#)
- [Hypercholesterolemia](#)
- [Hyperhomocysteinemia](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Infant](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Intracranial Aneurysm](#)
- [Intraoperative Complications](#)
- [Ischemic Attack](#)
- [Kidney Failure](#)
- [Lupus Erythematosus](#)
- [Mouth Neoplasms](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Obstetric Labor](#)
- [Pain](#)
- [Polycythemia Vera](#)
- [Postoperative Complications](#)

- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Prosthesis Failure](#)
- [Pulmonary Embolism](#)
- [Recurrence](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Thalassemia](#)
- [Thrombocythemia](#)
- [Thrombocytopenia](#)
- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Vascular Diseases](#)
- [von Willebrand Disease](#)
- [Werner syndrome](#)