

## Monoclonal Antibody to CD42b / GPIbA - PE

<b>Alternate names:</b>	GP-Ib alpha, GPIb-alpha, Glycoprotein Ibalpha, Platelet glycoprotein Ib alpha chain
<b>Catalog No.:</b>	SM3082R
<b>Quantity:</b>	100 Tests
<b>Background:</b>	CD42b (GPIba) composes together with GPIbb, GPIX and GPV the GPIb-IX-V receptor complex critical in the process of platelet-rich thrombus formation by tethering the platelet to a thrombogenic surface. CD42b binds to von Willebrand factor (VWF) exposed at a site of vascular injury, as well as to thrombin, coagulation factors XI and XII, high molecular weight kininogen, TSP-1, integrin Mac-1 and P-selectin. The extracellular domain of CD42b by its interactions also contributes to metastasis.
<b>Uniprot ID:</b>	<a href="#">P07359</a>
<b>NCBI:</b>	<a href="#">9606</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	HIP1
<b>Immunogen:</b>	Peripheral blood mononuclear cells of a patient suffering with CLL
<b>Format:</b>	<b>State:</b> Liquid Ig fraction <b>Purification:</b> Size-exclusion chromatography <b>Buffer System:</b> Phosphate buffered saline (PBS) containing 15 mM sodium azide and 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) as a stabilizing agent <b>Label:</b> PE – Conjugated with R-Phycoerythrin under optimum conditions
<b>Applications:</b>	Flow Cytometry analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10e6 cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	The antibody HIP1 reacts with CD42b (GPIba), a 135-145 kDa membrane glycoprotein expressed on platelets and megakaryocytes. CD42b and CD42c (GPIbb) are composed in a disulfide linked heterodimer (CD42b/c; 160 kDa); CD42b/c forms a noncovalent complex with CD42a and CD42d. <b>Species:</b> Human, Primates. Other species not tested.
<b>Add. Information:</b>	HLDA IV; WS Code P 40
<b>Storage:</b>	Store the antibody at 2 - 8 °C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.

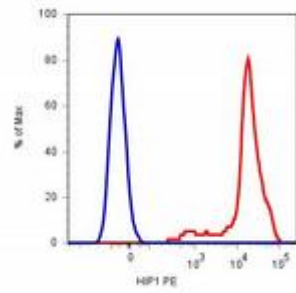
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Pictures:

Surface staining of human platelets with anti-CD42b (HIP1) PE.



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