CD41 (HIP11) Antibody

Subcategory: Mouse Monoclonal Antibody
Cat. No.: 250965
Unit: 0.1 mg

Description:
The CD41 (HIP11) antibody recognizes a 140-kDa glycoprotein which is the ? subunit of the CD41/CD61 (GPIIb/IIIa, ?IIb?3) complex called glycoprotein IIb (GPIIb). GPIIb is a calcium-dependent, no covalently associated heterodimer and contains a heavy chain (GPIIb?) and a light chain (GPIIb?) linked by a single disulfide bond. The CD41 antigen is strictly expressed on platelets and platelet precursors (megakaryocytes). The CD41/CD61 complex is the receptor for fibrinogen, fibronectin and von Willebrand factor, and plays a central role in platelet activation and aggregation. The GPIIb/IIIa may be absent or strongly reduced in Glanzmann?s thrombasthenia (GT). The CD41 (HIP8) antibody inhibits platelet aggregation and ATP secretion induced by ADP, thrombin and collagen. The CD41 (HIP11) antibody reacts with ? and ? subunits of GPIIb/IIIa (CD41/CD61) complex.

Isotype: Mouse IgG1
Applications: E, FC, IHC
Species Reactivity: H
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.
Alternate Names: Integrin alpha-IIb; Platelet membrane glycoprotein IIb; GPalpha IIb; GPIIb; CD41 antigen; ITGA2B; GP2B; ITGAB
Accession No.: P08514

Application Notes: Purified antibody is suitable for immunohistochemistry with acetone-fixed frozen sections. E: 1:500-1:1,000; FC: 1:200-1:1,000; IHC: 1:200-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: [1] Romaniuk M et al. 2012. The FASEB Journal.26(7):2488-2798.PMID# 22456341. [2] Wu XW et al. 1989. National Medical J. of China. 69(8) :427. [3] Chen Z et al. 1987. Chinese Science Bulletin. 24 :1902. [4] Tadamitsu K et al. eds. 1997. Leucocyte Typing VI: White Cell Differentiation Antigens. P49-52, 113-114 Garland Publishing Inc., New York.