EXBIO Antibodies

PRODUCT DATA SHEET

11-418-C100

Monoclonal Antibody to CD41b
Purified Antibody (0.1 mg)

Clone:	HIP2
Isotype:	Mouse IgG3
Specificity:	The antibody HIP2 reacts with beta (b) subunit of CD41 glycoprotein (light chain; 23 kDa). CD41 is mainly expressed on platelets and megakaryocytes. HLDA IV; WS Code P 39
Species Reactivity:	Human, Non-Human Primates
Application:	Flow Cytometry This HIP2 antibody has been tested by flow cytometric analysis of human platelets. This can be used at less than or equal to 1 µg per 100 µl blood. Immunohistochemistry (frozen sections)
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein A
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.
Expiration:	See vial label
Lot Number:	See vial label
Background:	CD41 (platelet glycoprotein IIb) is composed of two subunits (120 kDa a, alpha and 23 kDa b, beta) that interact with CD61 in the presence of calcium to form a functional adhesive protein receptor. Upon blood vessel damage, this receptor binds to a variety of proteins including von Willebrand factor, fibrinogen, fibronectin and vitronectin. CD41 is mainly expressed on megakaryocyte-platelet lineage, but generally belongs to the antigens that are expressed during early stages of hematopoietic differentiation.

For laboratory research only, not for drug, diagnostic or other use.

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