



Antibodies

11-417-C025

Monoclonal Antibody to CD41a Purified Antibody (0.025 mg)

Clone:	HIP8
Isotype:	Mouse IgG1
Specificity:	<p>The antibody HIP8 reacts with alpha (a) subunit of CD41 (heavy chain; 120 kDa). CD41 is mainly expressed on platelets and megakaryocytes.</p> <p>The antibody HIP8 blocks platelet aggregation and completely inhibits ADP-, epinephrine-, and collagen-induced platelet activation, and partially inhibits ristocetin- and thrombin-induced platelet activation. HIP8 is useful in the morphological and physiological studies of platelets and megakaryocytes.</p> <p>HLDA IV; WS Code P 38</p>
Regulatory Status:	RUO
Species Reactivity:	Human, Non-Human Primates
Application:	<p>Flow Cytometry</p> <p>This HIP8 antibody has been tested by flow cytometric analysis of human platelets. This can be used at less than or equal to 0.5 µg per 100 µl blood (per 10⁶ cells). Immunohistochemistry (frozen sections)</p>
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A affinity chromatography
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 freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label
Background:	<p>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.</p>

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**Antibodies****References:**

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