

## anti-human CD41a FITC-conjugated

The antibody HIP8 reacts with alpha (α) subunit of CD41 (heavy chain; 120 kDa). CD41 is mainly expressed on platelets and megakaryocytes.

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.

**CD41** (platelet glycoprotein IIb) is composed of two subunits (120 kDa α, alpha and 23 kDa β, 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.

<b>Clone:</b>	HIP8
<b>Isotype:</b>	Mouse IgG1
<b>Physical state:</b>	Liquid for direct use
<b>Form:</b>	purified antibody conjugated with Fluorescein isothiocyanate (FITC)
<b>Buffer:</b>	PBS containing 1 % BSA and 0.09 % sodium azide (pH 7.2)
<b>Storage:</b>	Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.
<b>Application:</b>	Flow Cytometry
<b>Reference:</b>	Leukocyte Typing VI., Kishimoto T. et al. (Eds.), Garland Publishing Inc. (1997)
<b>Quantity:</b>	1 ml
<b>Order N°:</b>	H12173F

**Warning:** Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32).

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