

### 30-2778: Anti-Hu CD41/CD61 (PAC-1 epitope) PerCP

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	PAC-1
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PerCP
<b>Alternative Name :</b>	platelet GPIIb, Integrin alpha-IIb, GPIIb/IIIa, alpha IIb beta 3, CD41/CD61, GPIIb, GT, GP3A, platelet GPIIIa
<b>Immunogen Information :</b>	Human platelets

#### Description

CD41 (platelet glycoprotein IIb, integrin alpha IIb) is composed of two subunits (120 kDa transmembrane alpha chain and 23 kDa extracellular beta chain) and interacts with CD61 (platelet glycoprotein IIIa, integrin beta 3) in the presence of calcium to form a functional adhesive protein receptor. CD41/CD61 complex is one of the earliest markers of the megakaryocytic lineage. Upon blood vessel damage, this receptor binds to a variety of proteins including von Willebrand factor, fibrinogen, fibronectin and vitronectin, and it is involved in platelet aggregation.

**Specificity :** The mouse monoclonal antibody PAC-1 recognizes an extracellular activation-induced conformational epitope PAC-1 on CD41/CD61 complex (gPIIb/IIIa), also known as integrin alpha IIb beta 3, a receptor which mediates platelet aggregation.

#### Product Info

<b>Amount :</b>	100 Tests
<b>Purification :</b>	Purified antibody is conjugated with activated Peridinin-Chlorophyll Protein (PerCP) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
<b>Content :</b>	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

#### Application Note

**Flow cytometry:** The reagent is designed for analysis of human blood cells using 10  $\mu$ l reagent / 100  $\mu$ l of whole blood or  $10^6$  cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.