

### 30-2631: Anti-Human CD172b PE (Clone : B4B6)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	B4B6
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE
<b>Gene :</b>	SIRPB1
<b>Gene ID :</b>	10326
<b>Alternative Name :</b>	SIRPB1,signal regulatory protein beta 1
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	NIH-3T3 cells transfected with human CD172b

#### Description

CD172b, the signal-regulatory protein beta (SIRP beta) is a disulfide-linked homodimer expressed on myeloid cells including monocytes and dendritic cells. Similarly to CD172a, it serves as a negative regulator of tyrosine kinase-coupled signaling processes. Unlike CD172a, the CD172b protein does not possess the cytoplasmic domain, but instead its transmembrane domain can interact with another transmembrane protein DAP-12, which contains ITAM sequences in its intracellular domain and links CD172b to the downstream signaling molecules. The result is e.g. regulation of neutrophil transepithelial migration. Specificity : The mouse monoclonal antibody B4B6 recognizes an extracellular epitope of CD172b, an approximately 50 kDa transmembrane glycoprotein expressed on myeloid cells.

#### Product Info

<b>Amount :</b>	100 tests
<b>Purification :</b>	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
<b>Content :</b>	Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

#### 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<sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

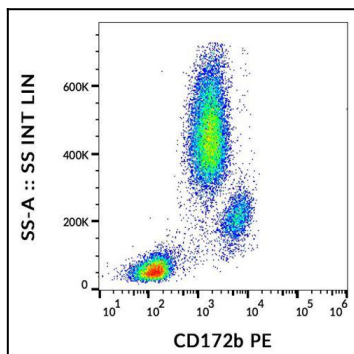


Figure 1 : Flow cytometry analysis (surface staining) of human peripheral blood cells with anti-human CD172b (B4B6) PE.