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

Clonality :	Monoclonal
Clone Name :	B4B6
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Gene :	SIRPB1
Gene ID :	10326
Alternative Name :	SIRPB1,signal regulatory protein beta 1
Isotype :	Mouse IgG1
Immunogen Information :	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

Amount :	100 tests
Purification :	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Content :	Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Storage condition :	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 ÃÂµl reagent / 100 ÃÂµl of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

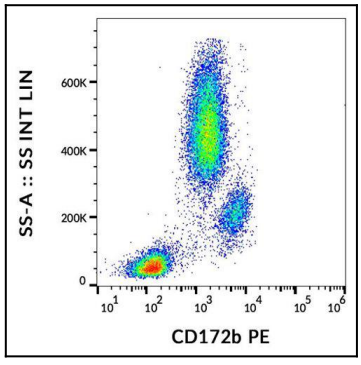

Figure 1 : Flow cytometry analysis (surface staining) of human peripheral blood cells with anti-human CD172b (B4B6) PE.