

PE anti-human CD172b (SIRP β)

Catalog # / Size: 323906 / 100 tests

Clone: B4B6

Isotype: Mouse IgG1, κ

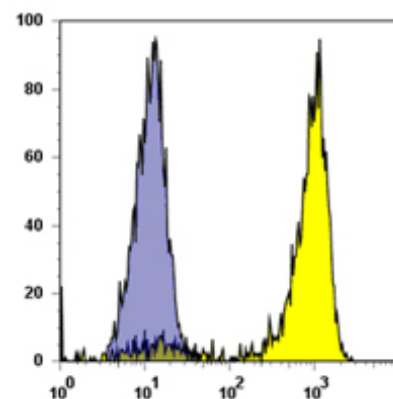
Immunogen: NIH-3T3 cells transfected with SIRPbeta

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood monocytes stained with B4B6 PE

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

Application References: 1. Seiffert M, *et al.* 2001. *Blood* 97:2741.

Description: The B4B6 antibody recognizes human CD172b also known as signal-regulatory protein beta, and SIRP-beta. CD172b is a member of the signal regulatory protein family and immunoglobulin superfamily. CD172b contains a single pass transmembrane region with immunoglobulin-like domains and unlike CD172a, this receptor lacks a cytoplasmic SHP-2 binding domain. CD172b is a disulfide-linked homodimer with a predicted molecular weight of approximately 43 kD. Two isoforms of CD172b are produced by alternative splicing. CD172b is expressed on myeloid cells including monocytes and dendritic cells where it functions in the negative regulation of tyrosine-kinase coupled signaling processes. CD172b has been shown to regulate neutrophil transepithelial migration. CD172b interacts with DAP12 and Syk kinase (through TYROBP). The B4B6 antibody has been shown to be useful for flow cytometry.

Antigen References: 1. Kharitonov A, *et al.* 1997. *Nature* 386:181.
2. Tomasello E, *et al.* 2000. *Eur. J. Immunol.* 30:2147.

Related Products:

Product	Clone	Application
Cell Staining Buffer		FC, ICC, ICFC
PE Mouse IgG1, κ Isotype Ctrl (FC)	MOPC-21	FC
Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC

Clone

MOPC-21

Application

FC, ICC, ICFC
FC
FC, ICC, ICFC



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