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30-2841: Anti-Human CD307b PE MAb (Clone: B24)

Clonality :	Monoclonal
Clone Name :	B24
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Gene :	FCRL2
Gene ID :	79368
Uniprot ID :	Q96LA5
Alternative Name :	FcRL2, FcRH2, IFGP4, IRTA4, SPAP1,Fc receptor like 2
Isotype :	Mouse IgG2a kappa
Immunogen Information :	DNA-immunization followed by a boost with CD307b transfected cells

Description

Specificity: The mouse monoclonal antibody B24 recognizes an extracellular epitope of CD307b, a transmembrane glycoprotein expressed mainly in mature and memory B cells.
CD307b is a type I transmembrane glycoprotein of the Fc receptor family. It contains one ITAM motif and two ITIM motifs in its cytoplasmic domain. It is expressed in spleen and lymph nodes in mature B cells and memory B cells. CD307b may be a prognostic marker for chronic lymphocytic leukemia.

Product Info

Amount :	100 Tests
Purification :	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	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 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

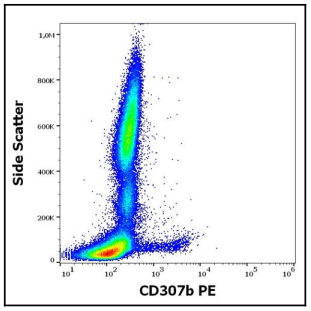


Fig 1 : Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD307b (B24) PE antibody (10 Î¼l reagent / 100 Î¼l of peripheral whole blood).

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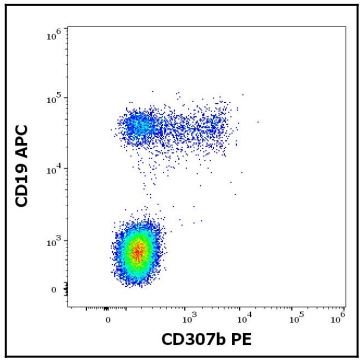


Fig 2 : Flow cytometry multicolor surface staining of human lymphocytes stained using anti-human CD307b(B24) PE antibody (10 Î¼l reagent / 100 Î¼l of peripheral whole blood) and anti-human CD19 (LT19) APC antibody (10 Î¼l reagent / 100 Î¼l of peripheral whole blood).

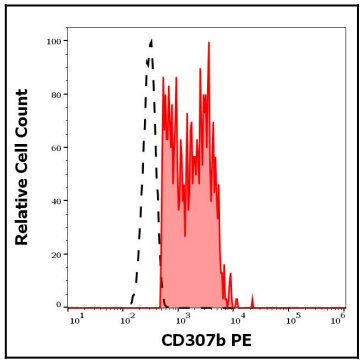


Fig 3 : Separation of human CD19 positive B cells (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD307b (B24) PE antibody (10 Î¼l reagent / 100 Î¼l of peripheral whole blood).

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