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30-2797-AC: Anti-Hu CD307b APC

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

Description

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.

Specificity :The mouse monoclonal antibody B24 recognizes an extracellular epitope of CD307b, a transmembrane glycoprotein expressed mainly in mature and memory B cells.

Product Info

Amount :	100 tests (T100)
Purification :	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Storage Buffer: 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.

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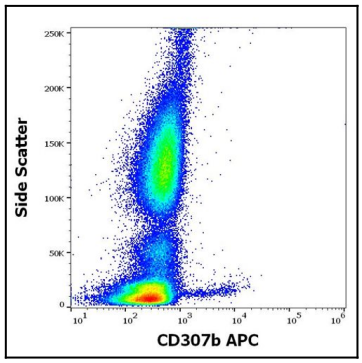

Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD307b (B24) APC antibody (concentration in sample 0.19 µg/ml).

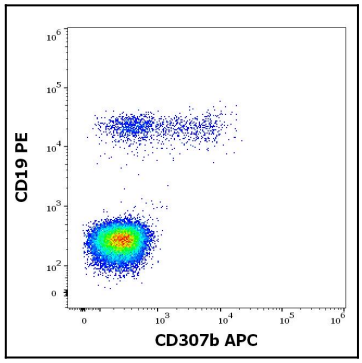

Figure 2: Flow cytometry multicolor surface staining pattern of human lymphocytes stained using anti-human CD19 (LT19) PE antibody (20 µl reagent / 100 µl of peripheral whole blood) and anti-human CD307b (B24) APC antibody (concentration in sample 0.19 µg/ml).

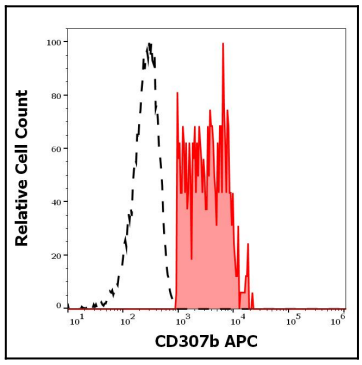

Figure 3: Separation of human CD19 positive CD307b positive B cells (red-filled) from CD19 negative CD307b negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD307b (B24) APC antibody (concentration in sample 0.19 µg/ml).

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