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30-2857: Anti-Human CD37 PE MAb (Clone: MB-1)

Clonality :	Monoclonal
Clone Name :	MB-1
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Gene :	CD37
Gene ID :	951
Uniprot ID :	P11049
Alternative Name :	CD37 molecule, GP52-40, tetraspanin 26
Isotype :	Mouse IgG1 kappa
Immunogen Information :	lymphomatous lymph node cells

Description

Specificity: The mouse monoclonal antibody MB-1 recognizes an extracellular epitope of CD37, a tetraspanin family transmembrane glycoprotein.

CD37 is a 40-64 kDa tetraspanin family glycoprotein, which forms complexes in the B cell membrane with MHC class II, CD53, CD81, and CD82. It is expressed highly on mature B cells and neoplastic B cells, but it is lost on plasma cells, as well as on pro-B cells. Lower expression was detected on monocytes, macrophages, and dendritic cells.

Product Info

Amount :	100 tests (T100)
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.

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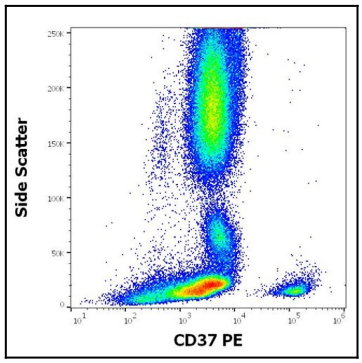

Fig1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD37 (MB-1) PE antibody (10 Î¼l reagent / 100 Î¼l of peripheral whole blood).

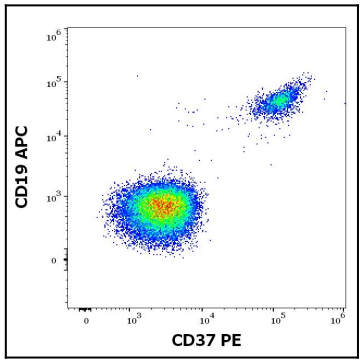

Fig2: Flow cytometry multicolor surface staining of human gated lymphocytes stained using anti-human CD37 (MB-1) PE antibody (10 Î¼l reagent / 100 Î¼l of peripheral whole blood) and anti-human CD19 (LT19) APC antibody (10 Î¼l reagent / 100 Î¼l of peripheral whole blood).