

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

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

<b>Amount :</b>	100 tests (T100)
<b>Purification :</b>	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
<b>Content :</b>	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	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<sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

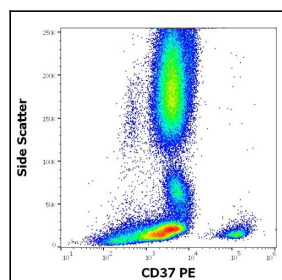


Fig1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD37 (MB-1) PE antibody (10 µl reagent / 100 µl of peripheral whole blood).

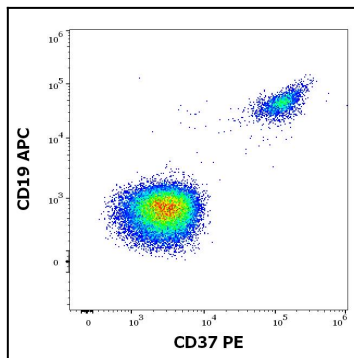


Fig2: Flow cytometry multicolor surface staining of human gated lymphocytes stained using anti-human CD37 (MB-1) PE antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood) and anti-human CD19 (LT19) APC antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).