

## 30-2692: Anti-Hu CD37 Purified (Clone MB-1)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MB-1
<b>Application :</b>	IP,IHC,FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	Unconjugated
<b>Gene ID :</b>	951
<b>Uniprot ID :</b>	P11049
<b>Format :</b>	Purified
<b>Alternative Name :</b>	GP52-40, tetraspanin 26
<b>Isotype :</b>	Mouse IgG1 kappa
<b>Immunogen Information :</b>	lymphomatous lymph node cells

### Description

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>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography.
<b>Content :</b>	1 mg/ml, Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide.
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

Flow cytometry: Recommended dilution: 1-4 µg/ml.

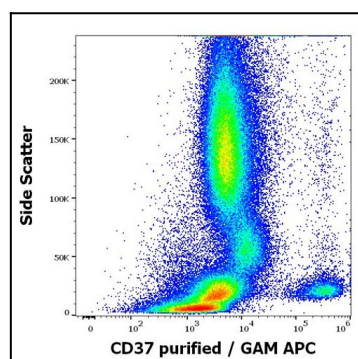


Figure-1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD37 (MB-1) purified antibody (concentration in sample 0,2 µg/ml, GAM APC).

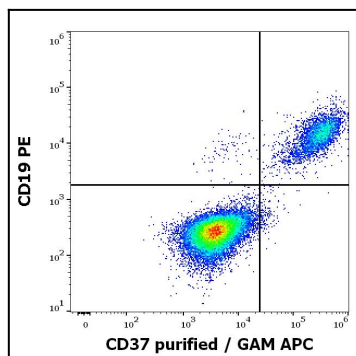


Figure-2: Flow cytometry multicolor surface staining of human lymphocytes stained using anti-human CD37 (MB-1) purified antibody (concentration in sample 0,2  $\mu$ g/ml, GAM APC) and anti-human CD19 (LT19) PE antibody (20  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).

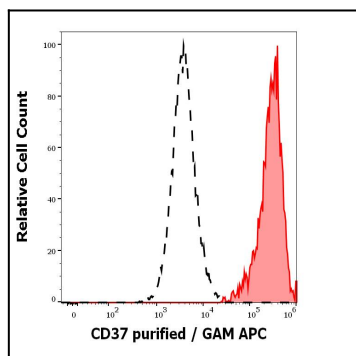


Figure-3: Separation of human CD37 positive lymphocytes (red-filled) from human CD37 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human CD37 (MB-1) purified antibody (concentration in sample 0,2 $\mu$ g/ml, GAM APC).