

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

30-2692F: FITC Conjugated Anti-Hu CD37 Antibody (Clone:MB-1)

Clonality: Monoclonal

Clone Name: MB-1
Application: FACS
Reactivity: Human
Conjugate: FITC
Gene ID: 951
Uniprot ID: P11049
Format: Purified

Alternative Name: GP52-40, tetraspanin 26
Isotype: Mouse IgG1 kappa

Immunogen Information: 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

Amount: 0.1 mg

Purification : Purified by protein-A affinity chromatography.

Content: 1 mg/ml, Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide.

Storage condition : Store at 2-8°C. Do not freeze.

Application Note

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

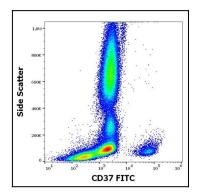


Figure-1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD37 (MB-1) FITC antibody



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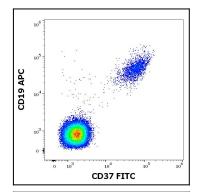


Figure-2: Flow cytometry multicolor surface staining pattern of human lymphocytes stained using anti-human CD19 (LT19) APC antibody and anti-human CD37 (MB-1) FITC antibody

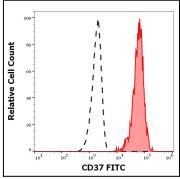


Figure-3: Separation of human CD37 positive CD19 positive B cells (red-filled) from CD37 negative CD19 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using antihuman CD37 (MB-1) FITC antibody