

Mouse anti-Human CD37 Antibody | anti-CD37 antibody

Anti-Hu CD37 FITC

CATALOG # AAA129353	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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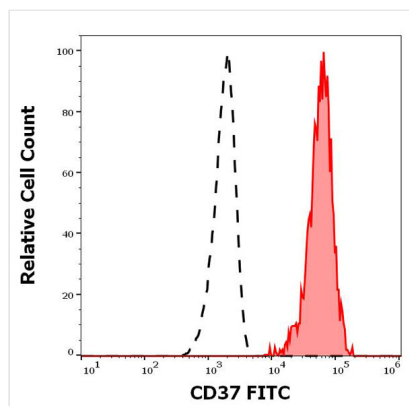
PRODUCT SYNONYMS

CD37; Anti-Hu CD37 FITC; CD37 molecule; GP52-40; tetraspanin 26; anti-CD37 antibody

PRODUCT SPECIFICATIONS

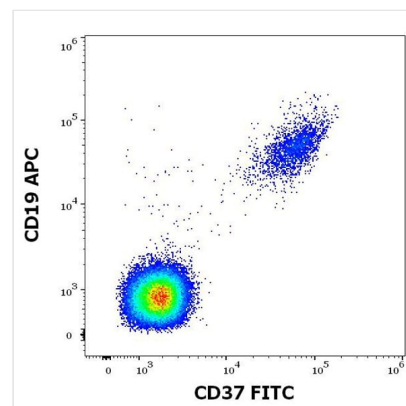
Host	Mouse
Reactivity	Human
Isotype	Mouse IgG1 kappa
Clone Number	MB-1
Specificity	The mouse monoclonal antibody MB-1 recognizes an extracellular epitope of CD37, a tetraspanin family transmembrane glycoprotein.
Purity/Purification	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Applicable Applications for anti-CD37 antibody	FCM/FACS (Flow Cytometry)
Immunogen	lymphomatous lymph node cells
Conjugation	FITC
Preparation and Storage	Store at 2-8 degree C. Protect from prolonged exposure to light. Do not freeze.

IMAGES



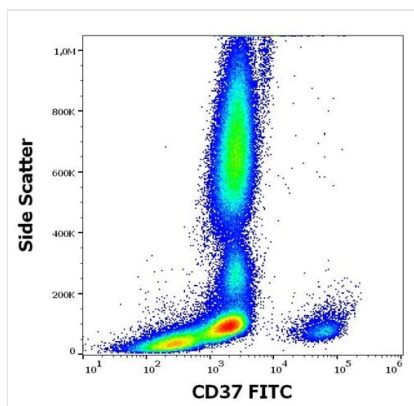
FCM/FACS (Flow Cytometry)

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 anti-human CD37 (MB-1) FITC antibody (4ul reagent/100ul of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry multicolor surface staining pattern of human lymphocytes stained using anti-human CD19 (LT19) APC antibody (10ul reagent/100ul of peripheral whole blood) and anti-human CD37 (MB-1) FITC antibody (4ul reagent/100ul of peripheral whole blood).



FCM/FACS (Flow Cytometry)
Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD37 (MB-1) FITC antibody (4ul reagent/100ul of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-CD37 antibody	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.
References	*Link MP, Bindl J, Meeker TC, Carswell C, Doss CA, Warnke RA, Levy R: A unique antigen on mature B cells defined by a monoclonal antibody. J Immunol. 1986 Nov 1;137(9):3013-8., URL: https://pubmed.ncbi.nlm.nih.gov/3489782/ ,*Press OW, Eary JF, Badger CC, Martin PJ, Appelbaum FR, Levy R, Miller R, Brown S, Nelp WB, Krohn KA: Treatment of refractory non-Hodgkin's lymphoma with radiolabeled MB-1 (anti-CD37) antibody. J Clin Oncol. 1989 Aug;7(8):1027-38., URL: https://pubmed.ncbi.nlm.nih.gov/2666588/ ,

NCBI AND UNIPROT INFORMATION

NCBI GI #	91807110
NCBI GeneID	951
NCBI Accession #	NP_001035120.1
NCBI GenBank Nucleotide #	NM_001040031.1
UniProt Accession #	P11049; Q3KPF9; B4DVC1
Molecular Weight	22,563 Da
NCBI Official Full Name	leukocyte antigen CD37 isoform B
NCBI Official Synonym Full Names	CD37 molecule
NCBI Official Symbol	CD37
NCBI Official Synonym Symbols	GP52-40; TSPAN26
NCBI Protein Information	leukocyte antigen CD37
UniProt Protein Name	Leukocyte antigen CD37
UniProt Gene Name	CD37
UniProt Synonym Gene Names	TSPAN26; Tspan-26
UniProt Entry Name	CD37_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

