

Mouse anti-Human CD37 Monoclonal Antibody | anti-CD37 antibody

Anti-CD37 [MB-1]

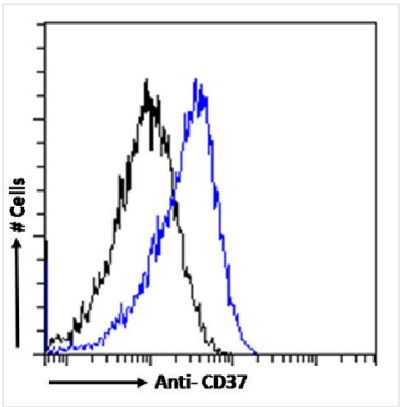
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72086	Mouse	Human	Immunohistochemistry, Western Blot, Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

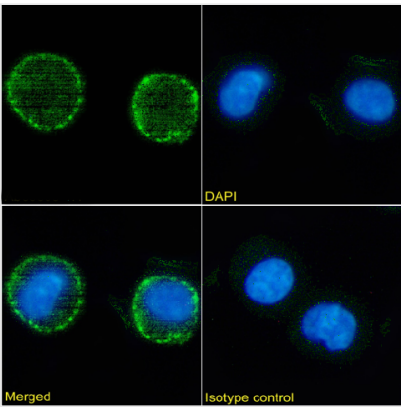
CD37; Monoclonal Antibody; Anti-CD37 [MB-1]; Tetraspanin-26; Tspan-26; Leukocyte antigen CD37; anti-CD37 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1, kappa
Clone Number	MB-1
Specificity	This antibody is specific for human CD37, which is expressed on virtually all mature B lymphocytes, but not on pro-B or plasma cells. CD37 is highly expressed on all forms of B cell non-Hodgkin lymphoma, chronic lymphocyte leukemia, and other leukemias. CD37 does not appear to be expressed on T cells, thymocytes, granulocytes or platelets.
Purity/Purification	Purified antibody. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD37 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
PMID	3489782
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



FCM/FACS (Flow Cytometry)
Flow cytometry using the Anti-CD37 antibody MB-1 . Paraformaldehyde fixed Daudi cells were stained with anti-unknown specificity antibody or the mouse IgG1 version of MB-1 (, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-mouse IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



IF (Immunofluorescence)
Immunofluorescence staining of Daudi cells using anti-CD6 OX-126 Immunofluorescence analysis of paraformaldehyde fixed Daudi cells stained with the chimeric mouse IgG version of OX-126 () at 10ug/ml followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom , DAPI, merged channels and an isotype control. The isotype control was stained with anti-unknown antibody followed by Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CD37 antibody	Recombinant monoclonal antibody to CD37. Recombinant Platform with variable regions (i.e. specificity) from the hybridoma MB-1. BALB/c mice were immunized with lymph node cells from a patient with nodular poorly differentiated lymphocytic lymphoma. Immunophenotyping studies of these cells identified them as B cells expressing SIgG/lambda, as well as HLA-DR. Leu-12, and B1.
Product Categories/Family for anti-CD37 antibody	immunology; adaptive immunity; CD Markers
References	Link et al. A unique antigen on mature B cells defined by a monoclonal antibody. J Immunol. 1986 Nov 1;137(9):3013-8. Note on publication: Describes the original use of this antibody to identify a novel B cell antigen (CD37)

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd37-antibody-clone-mb-1-immunohistochemistry-western-blot-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/72086>