

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

Anti-CD37 [MB-1]

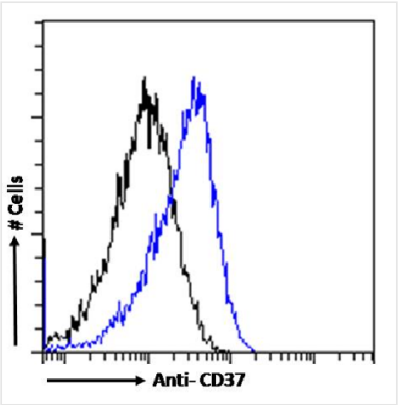
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72087	Rabbit	Human	Immunohistochemistry, Western Blot, Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

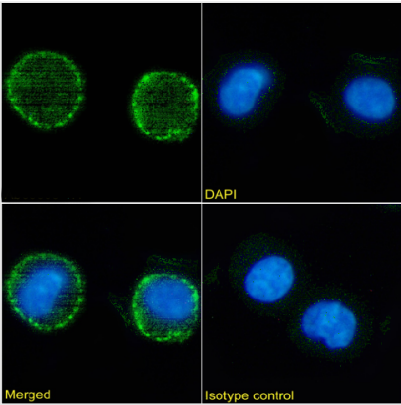
CD37; Monoclonal Antibody; Anti-CD37 [MB-1]; Tetraspanin-26; Tspan-26; Leukocyte antigen CD37; anti-CD37 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG, 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)
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.
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 (AAA72087). Paraformaldehyde fixed Daudi cells were stained with anti-unknown specificity antibody or the mouse IgG1 version of MB-1 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 (AAA72087) 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/72087>