CD37 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD37, Polyclonal Antibody
Full Product Name	CD37 Antibody, Biotin conjugated
Product Gene Name	anti-CD37 antibody
Product Synonym Names	Leukocyte antigen CD37; Tetraspanin-26; Tspan-26; CD37; CD37; TSPAN26
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: CD37 (MBS7047849) Biotin Conjugated Antibody: CD37 (MBS7047852)
Molecular Weight	22,563 Da
OMIM	X14046 mRNA
3D Structure	ModBase 3D Structure for P11049
Immunogen	Recombinant human Leukocyte antigen CD37 protein (109-237AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Biotin
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-98782
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD37 antibody	ELISA (EIA)
Related Product Information for anti-CD37 antibody	extracellular exosome, immunological synapse, integral component of plasma membrane, membrane, cell surface receptor signaling pathway
Other Notes	Small volumes of anti-CD37 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD37 purchase	MBS7047852 is an antibody targeting CD37. Also known as CD37 Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD37. It may not necessarily be applicable to this product.

NCBI GI #	91807110
NCBI GeneID	951
NCBI Accession #	NP_001035120.1
UniProt Primary Accession #	P11049
UniProt Secondary Accession #	Q3KPF9; B4DVC1
UniProt Related Accession #	P11049
GenBank Nucleotide #	NM_001040031.1
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
UniProt Protein Name	Leukocyte antigen CD37
UniProt Synonym Protein Names	Tetraspanin-26; Tspan-26; CD_antigen: CD37
Protein Family	Leukocyte antigen
UniProt Gene Name	CD37
UniProt Synonym Gene Names	TSPAN26; Tspan-26
UniProt Entry Name	CD37_HUMAN
NCBI Protein Information	leukocyte antigen CD37
NCBI Summary for CD37	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It may play a role in T-cell-B-cell interactions. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
UniProt Comments for CD37	CD37: is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It may play a role in T-cell-B-cell interactions. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008] Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 19q13.3 Cellular Component: immunological synapse; integral to plasma membrane; membrane Molecular Function: protein binding Biological Process: cell surface receptor linked signal transduction
Research Articles on CD37	**1.** Data indicate that cell differentiation antigen 37 (CD37) is well expressed and a potential drug target in acute myeloid leukemia (AML).
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