CD37 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	CD37, Blocking Peptide
Full Product Name	CD37 Peptide - middle region
Product Gene Name	CD37 blocking peptide
Product Synonym Gene Name	GP52-40; MGC120234; TSPAN26
Sequence	TIQKYGTNPE ETAAEESWDY VQFQLRCCGW HYPQDWFQVL ILRGNGSEAH
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	CD37 peptide (MBS3240993) is used for blocking the activity of CD37 antibody (MBS3216093)
Molecular Weight	31kDa
OMIM	151523
Product Categories/Family for CD37 blocking peptide	Peptide
Applications Tested/Suitable for CD37 blocking peptide	Western Blot (WB)
Related Product Information for CD37 blocking peptide	This is a synthetic peptide designed for use in combination with anti-CD37 Antibody, made Target Description: 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.
Other Notes	Small volumes of CD37 blocking peptide 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	MBS3240993 is a blocking peptide targeting CD37. Also known as CD37 Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

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

NCBI GI #	4502663
NCBI GeneID	951
NCBI Accession #	NP_001765
UniProt Primary Accession #	P11049
UniProt Related Accession #	P11049

GenBank Nucleotide #	NM_001774
NCBI Official Full Name	leukocyte antigen CD37 isoform A
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.** CD37 is a critical determinant of rituximab plus cyclophosphamide, doxorubicin, vincristine, and prednisone outcome in diffuse large B-cell lymphoma.
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