LPPL Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	LPPL, Blocking Peptide
Full Product Name	LPPL Blocking Peptide
Product Gene Name	LPPL blocking peptide
Product Synonym Gene Name	CLC
Product Synonym Names	BSF3; Charcot Leyden crystal protein; Charcot-Leyden crystal protein; CLC; EC 3.1.1.5; Eosinophil lysophospholipase; Gal-10; Galectin-10; LGALS10; LGALS10A; LPPL HUMAN; LPPL_HUMAN; Lysolecithin acylhydrolase; MGC149659
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	LPPL peptide (MBS9622617) is used for blocking the activity of LPPL antibody (MBS9603899)
Molecular Weight	16,453 Da
OMIM	153310
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for LPPL blocking peptide	Blocking/Control
Related Product Information for LPPL blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of LPPL 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 LPPL purchase	MBS9622617 is a blocking peptide targeting LPPL.

ADDITIONAL DETAILS

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

NCBI GI #	20357559
NCBI GeneID	1178
NCBI Accession #	NP_001819.2
UniProt Primary Accession #	Q05315

UniProt Secondary Accession #	Q0VDE3; C5HZ13; C5HZ14
UniProt Related Accession #	Q05315
GenBank Nucleotide #	NM_001828.5
NCBI Official Full Name	galectin-10
NCBI Official Synonym Full Names	Charcot-Leyden crystal galectin
NCBI Official Symbol	CLC
NCBI Official Synonym Symbols	GAL10; Gal-10; LGALS10; LGALS10A; LPPL_HUMAN
UniProt Protein Name	Galectin-10
UniProt Synonym Protein Names	Charcot-Leyden crystal protein; CLC; Eosinophil lysophospholipase; Lysolecithin acylhydrolase
Protein Family	Lipopeptide
UniProt Gene Name	CLC
UniProt Synonym Gene Names	LGALS10; LGALS10A; Gal-10; CLC
UniProt Entry Name	LEG10_HUMAN
NCBI Protein Information	galectin-10; Charcot-Leyden crystal protein; eosinophil lysophospholipase; galectin 10; lectin, galactoside-binding, soluble, 10; lysolecithin acylhydrolase
NCBI Summary for LPPL	Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. The protein encoded by this gene is a lysophospholipase expressed in eosinophils and basophils. It hydrolyzes lysophosphatidylcholine to glycerophosphocholine and a free fatty acid. This protein may possess carbohydrate or IgE-binding activities. It is both structurally and functionally related to the galectin family of beta-galactoside binding proteins. It may be associated with inflammation and some myeloid leukemias. [provided by RefSeq, Jul 2008]
UniProt Comments for LPPL	CLC: May have both lysophospholipase and carbohydrate-binding activities. Protein type: Phospholipase; EC 3.1.1.5 Chromosomal Location of Human Ortholog: 19q13.1 Cellular Component: cytosol Molecular Function: protein binding; carbohydrate binding; lysophospholipase activity Biological Process: regulation of activated T cell proliferation; regulation of T cell cytokine production; multicellular organismal development; regulation of T cell anergy
Research Articles on LPPL	**1.** The results support the potential for galectin-10 to be used as a surrogate biomarker of eosinophilic airway inflammation.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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