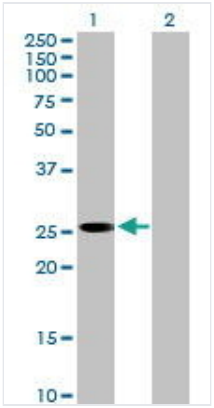
PLBD1 Antibody – Mouse Polyclonal

PRODUCT OVERVIEW

Product Name	PLBD1, Polyclonal Antibody
Full Product Name	PLBD1 (Phospholipase B-like 1, LAMA-like Protein 1, Lamina Ancestor Homolog 1, Phospholipase B Domain-containing Protein 1, FLJ22662)
Product Gene Name	anti-PLBD1 antibody
Product Synonym Names	Anti -PLBD1 (Phospholipase B-like 1, LAMA-like Protein 1, Lamina Ancestor Homolog 1, Phospholipase B Domain-containing Protein 1, FLJ22662)
Immunogen Sequence	MMADSGKRWA DIFSKYNSGT YNNQYMVLDL KKVKLNHSLD KGTLYIVEQI PTYVEYSEQT DVLRKGYWPS YNVPFHEKIY NWSGYPLLVQ KLGLDYSYDL APRAKIFRRD QGKVTDTASM KYIMRYNNYK KDPYSRGDPC NTICCREDLN SPNPSPGGCY DTKVADIYLA SQYTSYAISG PTVQGGLPVF RWDRFNKTLH QGMAEVYNFD FITMKPILKL DIK
Clonality	Polyclonal
Isotype	IgG
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.4.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Concentration	0.4mg/ml (lot specific)
Specificity	Recognizes human PLBD1
Preparation and Storage	May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for at least 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Chromosome Location	Chromosome: 12; NC_000012.11 (14656597..14720791, complement). Location: 12p13.1
3D Structure	ModBase 3D Structure for Q6P4A8
Immunogen	Full length protein corresponding to aa 1-223 of human PLBD1
Product Categories/Family for anti-PLBD1 antibody	Antibodies; Abs to Enzymes; Phospholipase
Applications Tested/Suitable for anti-PLBD1 antibody	Western Blot (WB). Other applications not tested.
Application Notes for anti-PLBD1 antibody	Optimal dilutions to be determined by the researcher.
Related Product Information for anti-PLBD1 antibody	Phospholipase acting on various phospholipids including phosphatidylcholine, phosphatidylinositol, phosphatidylethanolamine and lysophospholipids. May have a role in the defense against invading microorganisms and in the generation of lipid mediators of inflammation.
Other Notes	Small volumes of anti-PLBD1 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 PLBD1 purchase	MBS646897 is an antibody targeting PLBD1. Also known as PLBD1 (Phospholipase B-like 1, LAMA-like Protein 1, Lamina Ancestor Homolog 1, Phospholipase B Domain-containing Protein 1, FLJ22662). Host: Mouse.



Western Blot (WB) of anti-PLBD1 antibody
Western Blot analysis of PLBD1 expression in transfected 293T cell line using MBS646897.
Lane 1: PLBD1 transfected lysate (24.64kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLBD1. It may not necessarily be applicable to this product.

NCBI GI #	15029600
NCBI GeneID	79887
NCBI Accession #	BC000909
UniProt Primary Accession #	Q6P4A8
UniProt Secondary Accession #	Q9BVV3; Q9H625; A8K4E9
UniProt Related Accession #	Q6P4A8
NCBI Official Full Name	PLBD1 protein
NCBI Official Synonym Full Names	phospholipase B domain containing 1
NCBI Official Symbol	PLBD1
UniProt Protein Name	Phospholipase B-like 1
UniProt Synonym Protein Names	LAMA-like protein 1; Lamina ancestor homolog 1; Phospholipase B domain-containing protein 1
Protein Family	Phospholipase
UniProt Gene Name	PLBD1
UniProt Entry Name	PLBL1_HUMAN
NCBI Protein Information	phospholipase B-like 1; PLB homolog 1; LAMA-like protein 1; lamina ancestor homolog 1; putative phospholipase B-like 1; phospholipase B domain-containing protein 1

UniProt Comments for PLBD1	Function: Phospholipase acting on various phospholipids including phosphatidylcholine, phosphatidylinositol, phosphatidylethanolamine and lysophospholipids. May have a role in the defense against invading microorganisms and in the generation of lipid mediators of inflammation. Ref.4 Subunit structure: May exist as a non-covalently associated tetramer of two 22 kDa and two 42 kDa chains. Ref.4 Subcellular location: Cytoplasmic granule. Secreted Ref.4. Tissue specificity: Expressed in neutrophils and monocytes. Ref.4 Post-translational modification: Proteolytic processing leading to a 22 kDa N-terminal and a 42 kDa C-terminal fragment appears necessary for activity, which seems to derive from the 42 kDa chain. Sequence similarities: Belongs to the phospholipase B-like family. Biophysicochemical propertiespH dependence:Optimum pH is 7.4. Ref.4 Sequence caution: The sequence AAH00909.2 differs from that shown. Reason: Erroneous initiation. The sequence BAB15442.1 differs from that shown. Reason: Erroneous initiation.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-antibody/plbd1/646897