Plexin C1 (PLC1) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Plexin C1 (PLC1), ELISA Kit
Full Product Name	Human Plexin C1 ELISA Kit
Product Gene Name	PLC1 elisa kit
Species Reactivity	Human
Assay Type	Competitive ELISA
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid and Tissue Homogenate
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Molecular Weight	175,742 Da
OMIM	AF030339 mRNA
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for PLC1 elisa kit	MBS7254441 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Plexin C1 (PLC1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing PLC1. The ELISA analytical biochemical technique of the MBS7254441 kit is based on PLC1 antibody-PLC1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PLC1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, PLC1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of PLC1 elisa kit 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLC1. It may not necessarily be applicable to this product.

NCBI GI #	119617906
NCBI GeneID	10154
NCBI Accession #	EAW97500.1
UniProt Secondary Accession #	Q59H25
UniProt Related Accession #	O60486
NCBI Official Full Name	plexin C1
NCBI Official Synonym Full Names	plexin C1
NCBI Official Symbol	PLXNC1
NCBI Official Synonym Symbols	CD232; VESPR; PLXN-C1

UniProt Protein Name	Plexin-C1
UniProt Synonym Protein Names	Virus-encoded semaphorin protein receptor; CD_antigen: CD232
Protein Family	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase
UniProt Gene Name	PLXNC1
UniProt Synonym Gene Names	VESPR
NCBI Protein Information	plexin-C1
NCBI Summary for PLC1	This gene encodes a member of the plexin family. Plexins are transmembrane receptors for semaphorins, a large family of proteins that regulate axon guidance, cell motility and migration, and the immune response. The encoded protein and its ligand regulate melanocyte adhesion, and viral semaphorins may modulate the immune response by binding to this receptor. The encoded protein may be a tumor suppressor protein for melanoma. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jan 2011]
UniProt Comments for PLC1	Receptor for SEMA7A, for smallpox semaphorin A39R, vaccinia virus semaphorin A39R and for herpesvirus Sema protein. Binding of semaphorins triggers cellular responses leading to the rearrangement of the cytoskeleton and to secretion of IL6 and IL8 ().
Research Articles on PLC1	**1.** Plexin C1 deficiency permits synaptotagmin 7-mediated macrophage migration and enhances mammalian lung fibrosis
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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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.

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