Plexin C1 (PLXNC1) ELISA Kit for Rabbit

PRODUCT OVERVIEW

Product Name	Plexin C1 (PLXNC1), ELISA Kit
Full Product Name	Rabbit Plexin C1 (PLXNC1) ELISA Kit
Product Gene Name	PLXNC1 elisa kit
Species Reactivity	Rabbit
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	175,742 Da
OMIM	604259
Related Product Information for PLXNC1 elisa kit	MBS9363531 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Plexin C1 (PLXNC1) 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 PLXNC1. The ELISA analytical biochemical technique of the MBS9363531 kit is based on PLXNC1 antibody-PLXNC1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PLXNC1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, PLXNC1. 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 PLXNC1 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 PLXNC1. It may not necessarily be applicable to this product.

NCBI GI #	5032223
NCBI GeneID	10154
NCBI Accession #	NP_005752.1
UniProt Secondary Accession #	Q59H25
UniProt Related Accession #	O60486
GenBank Nucleotide #	NM_005761.2
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	Plexin
UniProt Gene Name	PLXNC1
UniProt Synonym Gene Names	VESPR

UniProt Entry Name	PLXC1_HUMAN
NCBI Protein Information	plexin-C1
NCBI Summary for PLXNC1	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 PLXNC1	PLXNC1: 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. Belongs to the plexin family. Protein type: Membrane protein, integral; Cell adhesion; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 12q23.3 Cellular Component: integral to plasma membrane; membrane; plasma membrane Molecular Function: protein binding; receptor binding; semaphorin receptor activity Biological Process: axon guidance; branchiomotor neuron axon guidance; cell adhesion; regulation of axon extension involved in axon guidance; regulation of cell migration
Research Articles on PLXNC1	**1.** loss of Plexin C1 in melanoma may promote early steps in melanoma progression through suppression of migration and proliferation
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