

Human Lysophosphatidic Acid Receptor 1 (LPAR1) ELISA Kit | LPAR1 elisa kit

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CATALOG #
AAA138486

REACTIVITY
Human

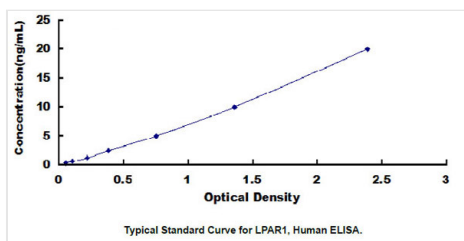
PRODUCT SYNONYMS

Lysophosphatidic Acid Receptor 1 (LPAR1); Human Lysophosphatidic Acid Receptor 1 (LPAR1) ELISA Kit; EDG2; Gpcr26; LPA1; Mrec1.3; edg-2; rec.1.3; vzg-1; Endothelial Differentiation; Lysophosphatidic Acid G-Protein-Coupled Receptor 2; LPAR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LPAR1. No significant cross-reactivity or interference between LPAR1 and analogues was observed.
Sequence Length	365
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates And Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.115ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LPAR1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level LPAR1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LPAR1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to LPAR1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to LPAR1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain LPAR1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of LPAR1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for LPAR1 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	16950638
NCBI GeneID	1902
NCBI Accession #	NP_476500.1
NCBI GenBank Nucleotide #	NM_057159.2
UniProt Accession #	Q92633; O00656; O00722; P78351; B4DK36
Molecular Weight	41,346 Da
NCBI Official Full Name	lysophosphatidic acid receptor 1
NCBI Official Synonym Full Names	lysophosphatidic acid receptor 1
NCBI Official Symbol	LPAR1
NCBI Official Synonym Symbols	EDG2; LPA1; VZG1; GPR26; edg-2; vzg-1; Gpcr26; Mrec1.3; rec.1.3
NCBI Protein Information	lysophosphatidic acid receptor 1
UniProt Protein Name	Lysophosphatidic acid receptor 1
UniProt Gene Name	LPAR1
UniProt Synonym Gene Names	EDG2; LPA1; LPA receptor 1; LPA-1
UniProt Entry Name	LPAR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/lysophosphatidic-acid-receptor-1-lpar1/138486>