

Human Lysophosphatidic Acid Receptor 3 (LPAR3) ELISA Kit | LPAR3 elisa kit

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CATALOG #
AAA186863

REACTIVITY
Human

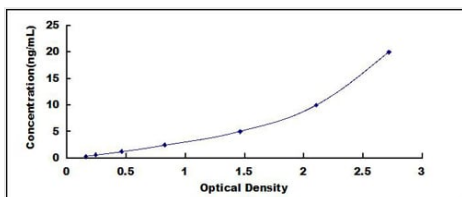
PRODUCT SYNONYMS

Lysophosphatidic Acid Receptor 3 (LPAR3); Human Lysophosphatidic Acid Receptor 3 (LPAR3) ELISA Kit; GPCR; EDG7; HOFNH30; LP-A3; LPA3; LPAR3; Endothelial Differentiation; Lysophosphatidic Acid G-Protein-Coupled Receptor 7; Lysophosphatidic acid receptor Edg-7; LPAR3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Lysophosphatidic Acid Receptor 3 (LPAR3). No significant cross-reactivity or interference between Lysophosphatidic Acid Receptor 3 (LPAR3) and analogues was observed.
Sequence Length	353
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.113ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Lysophosphatidic Acid Receptor 3 (LPAR3) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Lysophosphatidic Acid Receptor 3 (LPAR3) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 LPAR3 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Lysophosphatidic Acid Receptor 3 (LPAR3). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Lysophosphatidic Acid Receptor 3 (LPAR3). 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 Lysophosphatidic Acid Receptor 3 (LPAR3), 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 Lysophosphatidic Acid Receptor 3 (LPAR3) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6912348
NCBI GeneID	23566
NCBI Accession #	NP_036284.1
NCBI GenBank Nucleotide #	NM_012152.2
UniProt Accession #	Q9UBY5; A0AVA3
Molecular Weight	40,128 Da
NCBI Official Full Name	lysophosphatidic acid receptor 3
NCBI Official Synonym Full Names	lysophosphatidic acid receptor 3
NCBI Official Symbol	LPAR3
NCBI Official Synonym Symbols	EDG7; GPCR; LPA3; Edg-7; LP-A3; HOFNH30; RP4-678I3
NCBI Protein Information	lysophosphatidic acid receptor 3
UniProt Protein Name	Lysophosphatidic acid receptor 3
UniProt Gene Name	LPAR3
UniProt Synonym Gene Names	EDG7; LPA3; LPA receptor 3; LPA-3

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.