

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

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CATALOG #
AAA331940

REACTIVITY
Human

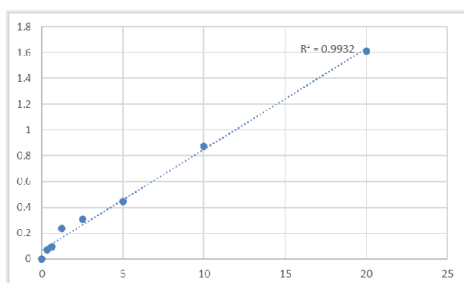
PRODUCT SYNONYMS

Lysophosphatidic Acid Receptor 3 (LPAR3); Human Lysophosphatidic Acid Receptor 3 (LPAR3) ELISA Kit; LPAR3; EDG7; Edg-7; FLJ98231; GPCR; HOFNH30; LPA3; LPA3; RP4-67813; LPA receptor EDG7; OTTHUMP00000011573; calcium-mobilizing lysophosphatidic acid receptor LP-A3; endothelial cell differentiation gene 7; end; LPAR3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Lysophosphatidic acid receptor 3 (LPAR3) ELISA Kit has high sensitivity and excellent specificity for detection of Human LPAR3. No significant cross-reactivity or interference between Human LPAR3 and analogues was observed.
Sequence Length	353
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Lysophosphatidic acid receptor 3 (LPAR3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LPAR3 elisa kit	Description: This Human Lysophosphatidic acid receptor 3 (LPAR3) ELISA Kit employs a two-site sandwich ELISA to quantitate LPAR3 in samples. An antibody specific for LPAR3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LPAR3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LPAR3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LPAR3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: LPA and the structurally related lysolipid mediator sphingosine 1-phosphate (S1P) signal cells through a set of G protein-coupled receptors known as EDG receptors. Some EDG receptors (e.g., EDG1) are S1P receptors; others (e.g., EDG2) are LPA receptors. EDG7 mediates responses to unsaturated LPA. Sequence analysis predicted that the 353-amino acid EDG7 protein shares approximately 54% and 49% amino acid identity with EDG2 and EDG4, respectively, and less than 40% identity with the S1P-specific receptors (e.g., EDG1). Northern blot analysis detected a 4.3-kb EDG7 transcript in heart, pancreas, prostate, and testis, with lower expression in lung, ovary, and some cancer cell lines. Western blot analysis showed that transfected cells express EDG7 as an approximately 35-kD protein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6912348
NCBI GeneID	23566
NCBI Accession #	NP_036284.1
NCBI GenBank Nucleotide #	NP_036284.1
UniProt Accession #	Q9UBY5
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
UniProt Entry Name	LPAR3_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.