

**Name:** Purified LPAR1 mouse monoclonal antibody, clone 1G6

**Catalog:** TA503737

## Product Data Sheet

**Gene Name:** Homo sapiens lysophosphatidic acid receptor 1 (LPAR1), transcript variant 1  
**GeneBank accession:** NM\_001401  
**Isotype:** IgG2b

**Reactivity:** Human  
**Test application:** WB  
**Clone Name:** clone 1G6

**Gene Synonym:** edg-2; EDG2; Gpcr26; GPR26; LPA1; Mrec1.3; rec.1.3; vzg-1; VZG1

### Validation Data:

#### Western Blot

**Guaranteed Applications:** WB, IF, FC

**Suggested Dilutions:** WB 1:2000, IF 1:100, FLOW 1:100,

**Immunogen:** Full length human recombinant protein of human LPAR1(NP\_001392) produced in HEK293T cell.

#### Components:

- Purified LPAR1 mouse monoclonal antibody, clone 1G6 (TA503737)
- 1 vial of 20ug myc-DDK tagged LPAR1 HEK293T over-expression lysate lyophilized in RIPA buffer (LY400545) (Reconstitute into 20ul of 1x SDS sample buffer before loading)

#### Amount:

TA503737-100 100ul

**Concentration:** 0.5~1.0 mg/ml (Lot Dependent)

**Storage Condition:** Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

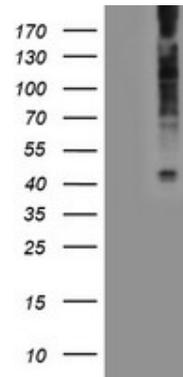
**Buffer:** PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

#### Purification:

Purified from mouse ascites fluids by affinity chromatography

#### Background:

The integral membrane protein encoded by this gene is a lysophosphatidic acid (LPA) receptor from a group known as EDG receptors. These receptors are members of the G protein-coupled receptor superfamily. Utilized by LPA for cell signaling, EDG receptors mediate diverse biologic functions, including proliferation, platelet aggregation, smooth muscle contraction, inhibition of neuroblastoma cell differentiation, chemotaxis, and tumor cell invasion. Two transcript variants encoding the same protein have been identified for this gene [provided by RefSeq, Jul



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY LPAR1 (RC206065, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-LPAR1.

#### Related Product:

TrueORF cDNA clones  
 VERIFY Tagged Antigen lysates  
 HuSH-29 shRNA  
 Western Blot reagents  
 Anti-myc/DDK tag antibodies

\* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

***This product is to be used for laboratory only. Not for diagnostic or therapeutic use.***

