**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for CF503810

## Lipoprotein lipase (LPL) Mouse Monoclonal Antibody [Clone ID: OTI4G2]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | OTI4G2 |
| **Applications:** | FC, IF, WB |
| **Recommended Dilution:** | WB 1:500, IF 1:100, FLOW 1:100 |
| **Reactivity:** | Human, Mouse, Rat |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Human recombinant protein fragment corresponding to amnio acids 28-475 of human LPL(NP_000228) produced in HEK293T cell. |
| **Formulation:** | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose) |
| **Reconstitution Method:** | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| **Purification:** | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20°C as received. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Predicted Protein Size:** | 50.3 kDa |
| **Gene Name:** | lipoprotein lipase |
| **Database Link:** | NP_000228<br>Entrez Gene 16956 MouseEntrez Gene 24539 RatEntrez Gene 4023 Human<br>P06858 |

View online »

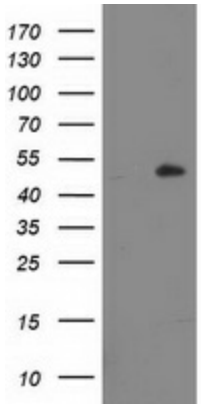
**Background:** LPL encodes lipoprotein lipase, which is expressed in heart, muscle, and adipose tissue. LPL functions as a homodimer, and has the dual functions of triglyceride hydrolase and ligand/bridging factor for receptor-mediated lipoprotein uptake. Severe mutations that cause LPL deficiency result in type I hyperlipoproteinemia, while less extreme mutations in LPL are linked to many disorders of lipoprotein metabolism. [provided by RefSeq]

**Synonyms:** HDLCQ11; LIPD

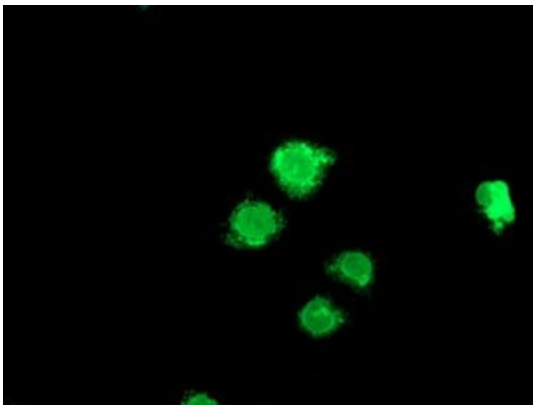
**Protein Families:** Druggable Genome

**Protein Pathways:** Alzheimer's disease, Glycerolipid metabolism, PPAR signaling pathway

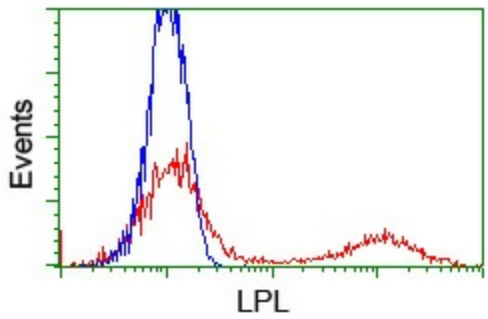
## Product images:




HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY LPL ([RC203766], 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-LPL. Positive lysates [LY400089] (100ug) and [LC400089] (20ug) can be purchased separately from OriGene.



Anti-LPL mouse monoclonal antibody ([TA503810]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY LPL ([RC203766]).




HEK293T cells transfected with either [RC203766] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-LPL antibody ([TA503810]), and then analyzed by flow cytometry.