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# Anti-Endothelial lipase Reference Antibody (MEDI5884)

Catalog # APR11395

## Product Information

| | |
|---|---|
| **Application** | Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA |
| **Primary Accession** | Q9Y5X9 |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Isotype** | IgG4SP |
| **Calculated MW** | 56795 |

## Additional Information

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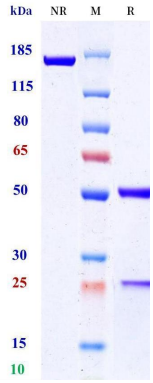
|---|---|
| **Target/Specificity** | Endothelial lipase |
| **Expression system** | CHO |

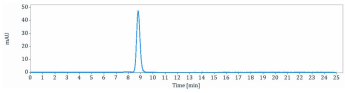
## Protein Information

| | |
|---|---|
| **Name** | LIPG |
| **Function** | Exerts both phospholipase and triglyceride lipase activities (PubMed:10192396, PubMed:10318835, PubMed:12032167). More active as a phospholipase than a triglyceride lipase (PubMed:12032167). Hydrolyzes triglycerides, both with short-chain fatty acyl groups (tributyrin) and long-chain fatty acyl groups (triolein) with similar levels of activity toward both types of substrates (PubMed:12032167). Hydrolyzes high density lipoproteins (HDL) more efficiently than other lipoproteins (PubMed:10192396, PubMed:12032167). |
| **Cellular Location** | Secreted. |
| **Tissue Location** | High level of expression in the liver, placenta, lung, thyroid, kidney, testis and in the corpus luteum of the ovary Expressed also in coronary artery endothelial cells, umbilical vein endothelial cells and in hepatocytes and osteosarcoma cell lines. Not detected in heart, brain and muscle. |

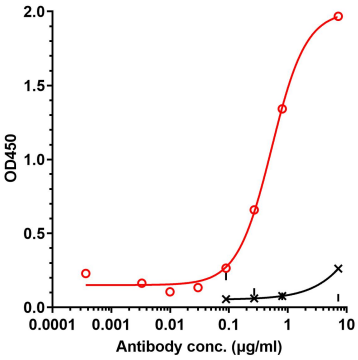
## Images

Anti-Endothelial lipase Reference Antibody (MEDI5884) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-Endothelial lipase Reference Antibody (MEDI5884) is 99.38%, determined by SEC-HPLC.




Immobilized hu-LIPG-his at 2 μg/mL can bind MEDI5884, EC50= 0.5317 μg/mL.