

For Research Use Only

# VLDLR Recombinant antibody, PBS Only

Catalog Number: 85097-1-PBS



## Basic Information

<b>Catalog Number:</b> 85097-1-PBS	<b>GenBank Accession Number:</b> NM_003383	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7436	<b>CloneNo.:</b> 242385H3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P98155	
<b>Isotype:</b> IgG	<b>Full Name:</b> very low density lipoprotein receptor	
	<b>Calculated MW:</b> 96 kDa	
	<b>Observed MW:</b> 120 kDa	

## Applications

**Tested Applications:**  
WB, FC (Intra), Indirect ELISA

**Species Specificity:**  
human

## Background Information

The very low-density lipoprotein receptor (VLDLR) is a member of the LDL receptor family with a complex molecular weight profile due to post-translational modifications. The calculated molecular weight of the core protein is approximately 84-86 kDa, however, VLDLR undergoes extensive glycosylation during processing, resulting in higher apparent molecular weights observed in SDS-PAGE analyses. Multiple studies report that glycosylated VLDLR migrates as broad bands between 90-180 kDa under reducing conditions, with the most commonly observed forms at approximately 96 kDa (core glycosylated form), 115-135 kDa (mature fully glycosylated form), and 150-180 kDa (hyperglycosylated or dimeric forms).

## Storage

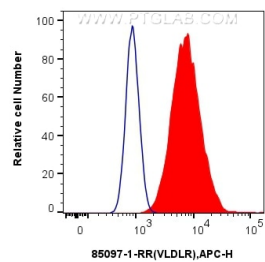
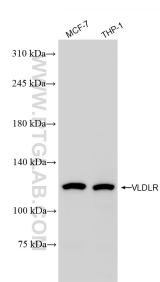
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85097-1-RR (VLDLR antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85097-1-PBS in a different storage buffer formulation.

1x10<sup>6</sup> THP-1 cells were intracellularly stained with 0.25 ug VLDLR Recombinant Antibody (85097-1-RR, Clone:242385H3) and APC-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 85097-1-PBS in a different storage

