

For Research Use Only

VLDLR Recombinant antibody, PBS Only

Catalog Number: 85097-1-PBS



Basic Information

Catalog Number: 85097-1-PBS	GenBank Accession Number: NM_003383	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 7436	CloneNo.: 242385H3
Source: Rabbit	UNIPROT ID: P98155	
Isotype: IgG	Full Name: very low density lipoprotein receptor	
	Calculated MW: 96 kDa	
	Observed MW: 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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

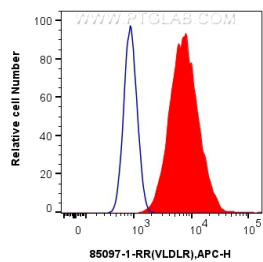
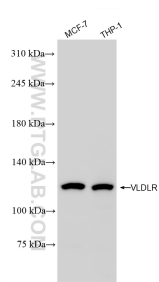
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Selected Validation Data



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.

1×10^6 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 buffer

