

Product datasheet

Anti-LDL Receptor antibody [301] - BSA and Azide free ab276036

Recombinant

[2 Images](#)

Overview

Product name	Anti-LDL Receptor antibody [301] - BSA and Azide free
Description	Rabbit monoclonal [301] to LDL Receptor - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment (His-tag) corresponding to Human LDL Receptor aa 1-900. NP_000518.1 Database link: P01130
Positive control	Flow Cyt: HepG2 cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production For more information see here .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Constituent: 100% PBS
	0.2 µm filtered solution
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	301
Isotype	IgG

Applications

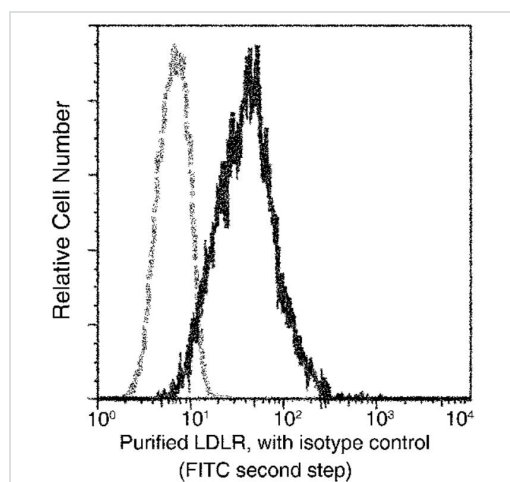
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab276036 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		1/25 - 1/100.

Target

Function	Binds LDL, the major cholesterol-carrying lipoprotein of plasma, and transports it into cells by endocytosis. In order to be internalized, the receptor-ligand complexes must first cluster into clathrin-coated pits. In case of HIV-1 infection, functions as a receptor for extracellular Tat in neurons, mediating its internalization in uninfected cells.
Involvement in disease	Defects in LDLR are the cause of familial hypercholesterolemia (FH) [MIM:143890]; a common autosomal semi-dominant disease that affects about 1 in 500 individuals. The receptor defect impairs the catabolism of LDL, and the resultant elevation in plasma LDL-cholesterol promotes deposition of cholesterol in the skin (xanthelasma), tendons (xanthomas), and coronary arteries (atherosclerosis).
Sequence similarities	Belongs to the LDLR family. Contains 3 EGF-like domains. Contains 7 LDL-receptor class A domains. Contains 6 LDL-receptor class B repeats.
Post-translational modifications	N- and O-glycosylated. Ubiquitinated by MYLIP leading to degradation.
Cellular localization	Cell membrane. Endomembrane system. Membrane > clathrin-coated pit. Found distributed from the plasma membrane to intracellular compartments.

Images



Flow Cytometry - Anti-LDL Receptor antibody [301]
(ab276036)

Flow cytometric analysis of LDLR expression on HepG2 cells. Cells were stained with ab276036 (Black) at 1/25 dilution or an isotype control (Grey), then a FITC-conjugated secondary antibody. The histogram was derived from gated events with the forward and side light-scatter characteristics of intact cells.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-LDL Receptor antibody [301] - BSA and Azide free (ab276036)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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