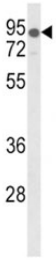
LDLR Antibody (F51451)

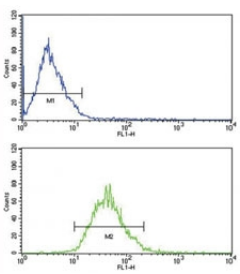
Catalog No.	Formulation	Size
F51451-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F51451-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Rat, Pig, Rabbit, Hamster, Xenopus
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P01130
Applications	Western Blot : 1:1000 Flow Cytometry : 1:10-1:50
Limitations	This LDLR antibody is available for research use only.



Western blot analysis of LDLR antibody and mouse lung tissue lysate. Expected molecular weight: 95-160 kDa depending on glycosylation level.



LDLR antibody flow analysis of MCF-7 cells (bottom histogram) compared to a negative control (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

The low density lipoprotein receptor (LDLR) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. Low density lipoprotein (LDL) is normally bound at the cell membrane and taken into the cell ending up in lysosomes where the protein is degraded and the cholesterol is made available for repression of microsomal enzyme 3-hydroxy-3-methylglutaryl coenzyme A (HMG CoA) reductase, the rate-limiting step in cholesterol synthesis. At the same time, a reciprocal stimulation of cholesterol ester synthesis takes place.

Application Notes

Titration of the LDLR antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 391-419 from the human protein was used as the immunogen for this LDLR antibody.

Storage

Aliquot the LDLR antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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