

LDLR Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4751
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human LDLR (AA: 22-150) expressed in E. Coli.
Mol wt	95.4kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	FCM
Concentration	N/A
Full name	N/A
Synonyms	FH;FHC;LDLCQ2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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. Mutations in this gene cause the autosomal dominant disorder, familial hypercholesterolemia. Alternate splicing results in multiple transcript variants.

Recommended Dilution

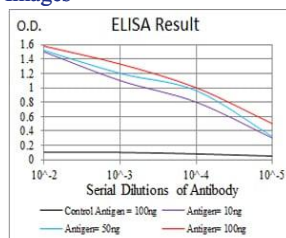
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

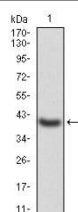
ELISA: 1:10000

Not yet tested in other applications.

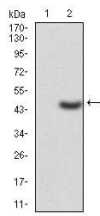
Images



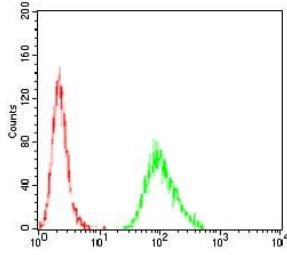
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Western blot analysis using LDLR mAb against human LDLR (AA: 22-150) recombinant protein. (Expected MW is 22-150 kDa)



Western blot analysis using LDLR mAb against HEK293 (1) and LDLR(AA: 22-150)-hIgGfc transfected HEK293 (2) cell lysate.



Flow cytometric analysis of hela cells using LDLR mouse mAb (green) and negative control (red).

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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