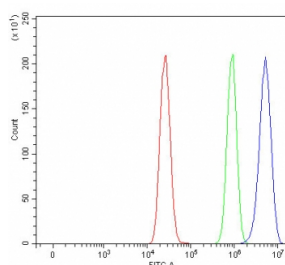


LDLR Antibody / LDL Receptor (RQ8038)

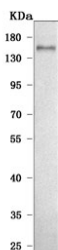
Catalog No.	Formulation	Size
RQ8038	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P01130
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This LDLR antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human MCF7 cells with LDLR antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= LDLR antibody.



Western blot testing of human HeLa cell lysate with LDLR antibody. Expected molecular weight: 95-160 kDa depending on glycosylation level.

Description

In humans, the LDL receptor protein is encoded by the LDLR gene on chromosome 19. It is mapped to 19p13.2. The low absorbance lipoprotein receptor (LDLR) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. Low absorbance 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.

Application Notes

Optimal dilution of the LDLR antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids A705-A860) was used as the immunogen for the LDLR antibody.

Storage

After reconstitution, the LDLR antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.