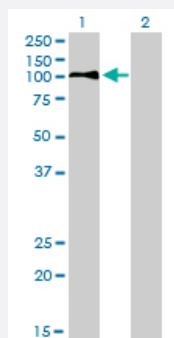


LDLR monoclonal antibody (M01), clone 5E7

Catalog # H00003949-M01

Size 100 ug

Applications

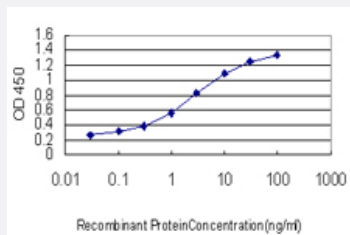


Western Blot (Transfected lysate)

Western Blot analysis of LDLR expression in transfected 293T cell line by LDLR monoclonal antibody (M01), clone 5E7.

Lane 1: LDLR transfected lysate (94.6 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged LDLR is approximately 0.3ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant LDLR.
Immunogen	LDLR (NP_000518, 105 a.a. ~ 205 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PPKTCSQDEFRC HDGKCISRQFVCDSDRDCLDGSDEASCPVLTGCPASFQCNSSTCIPQLWACDNDPDCEDGSDEWPQRCRGLYVFQGDSSPCSAFEFHCL
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (74)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of LDLR expression in transfected 293T cell line by LDLR monoclonal antibody (M01), clone 5E7.

Lane 1: LDLR transfected lysate(94.6 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged LDLR is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — LDLR

Entrez GeneID	3949
GeneBank Accession#	NM_000527
Protein Accession#	NP_000518
Gene Name	LDLR
Gene Alias	FH, FHC
Gene Description	low density lipoprotein receptor
Omim ID	143890 606945
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

LDL receptor|low-density lipoprotein receptor class A domain-containing protein 3

Publication Reference

- [The expression of LDL receptor in vessels with blood-brain barrier impairment in a stroke-prone hypertensive model.](#)

Ueno M, Wu B, Nakagawa T, Nagai Y, Onodera M, Huang CL, Kusaka T, Kanenishi K, Sakamoto H.

Histochemistry and Cell Biology 2010 Jun; 133(6):669.

Application: WB-Ti, Rat, Rat brains

Pathway

- [Endocytosis](#)

Disease

- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anemia](#)
- [Aortic Diseases](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Biliary Tract Neoplasms](#)
- [Bone Diseases](#)
- [Brain Infarction](#)

- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cellulitis](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chromosome Disorders](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diseases in Twins](#)
- [Ductus Arteriosus](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Fractures](#)
- [Gallstones](#)
- [Gaucher disease](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)

- [Hypercholesterolemia](#)
- [Hyperglycemia](#)
- [Hyperlipidemia](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type I](#)
- [Hyperlipoproteinemia Type II](#)
- [Hyperlipoproteinemias](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Infant](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Intracranial Arteriosclerosis](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Migraine with Aura](#)
- [Migraine without Aura](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Obesity](#)

- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Peripheral Vascular Diseases](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Smith-Lemli-Opitz Syndrome](#)
- [Stroke](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Tobacco Use Disorder](#)
- [Translocation](#)
- [Urinary Bladder Neoplasms](#)
- [Vascular Diseases](#)
- [Viremia](#)
- [Werner syndrome](#)