

Mouse Monoclonal Antibody to LDLR

Catalogue Number	sAP-1113
Target Molecule	<p>Name: LDLR</p> <p>Aliases: FH; FHC; LDLQC2</p> <p>MW: 95.4kDa</p> <p>Entrez Gene ID: 3949</p>
Description	<p>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.</p>
Immunogen	Purified recombinant fragment of human LDLR (AA: 22-150) expressed in E. Coli.
Reactive Species	Human;
Clone	MM7H5B11;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: ; ICC: ; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	Phytother Res. 2012 Nov;26(11):1688-94.; Biochim Biophys Acta. 2011 Jun;1811(6):397-408.;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**