

## Mouse Monoclonal Antibody to LDLR

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| <b>Catalogue Number</b>        | sAP-1113   |
| <b>Target Molecule</b>         | <b>Name:</b> LDLR<br><b>Aliases:</b> FH; FHC; LDLCQ2<br><b>MW:</b> 95.4kDa<br><b>Entrez Gene ID:</b> 3949  |
| <b>Description</b>             | 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. |
| <b>Immunogen</b>               | Purified recombinant fragment of human LDLR (AA: 22-150) expressed in E. Coli.   |
| <b>Reactive Species</b>        | Human;   |
| <b>Clone</b>                   | MM7H5B11;  |
| <b>Size and Concentration</b>  | 100µg/1mg/ml   |
| <b>Supplied as</b>             | Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide  |
| <b>Reconstitution/Storages</b> | Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage  |
| <b>Applications</b>            | ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: ; ICC: ; FCM: 1 to 200 - 1 to 400  |
| <b>Shipping</b>                | Regular FEDEX overnight shipment (ambient temperature)   |
| <b>Reference</b>               | 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**