

Mouse monoclonal anti human LDLR

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0216
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Recombinant human LDL receptor
Ig Type:	Mouse IgG2b
Clone	AP-MAB1616
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	WB, FC and IHC

Description: Human low-density lipoprotein (LDL) receptor is a type I membrane protein that is encoded by the LDLR gene. LDL is the major cholesterol-carrying lipoprotein in plasma. Cell surface LDLR controls the level of cholesterol in plasma by binding to and internalizing LDL and transporting it to lysosomes where LDL is degraded, cholesterol is released into the cell, and LDLR is recycled back to the cell surface. Hence LDLR is found in cell-surface and intracellular membranes (eg, clathrin-coated pits, golgi, endosomes, and lysosomes). Expression of LDLR is a marker for in vitro differentiation of hepatocytes from human embryonic stem cells. LDLR is suspected to mediate infections by viruses that associate with lipoprotein in the blood. Mutations in LDLR are largely responsible for Familial Hypercholesterolemia (FH).

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with **Recombinant human LDL receptor**).

Formulation: The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS, **Azide Free**).

Reconstitution: Reconstitute the antibody with sterile PBS and the reconstituted antibody can be aliquoted and stored frozen at < -20 for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

***Endotoxin Level:** **Extremely low level of LPS (< 0.002EU/μg IgG)**

Application(s):

- 1. FC**
- 2. IHC**
- 3. WB**

*** The antibody is produced by in vitro culture and for research use only**