Recombinant HMGCR Monoclonal Antibody

catalog number: **AN301555L**

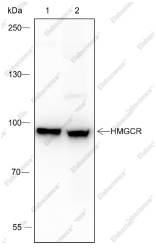
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse
Immunogen	Recombinant human HMG-CoA Reductase fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C271178
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500-1:2000
IF	1:50
FCM	1:50-1:100
IP	1:25

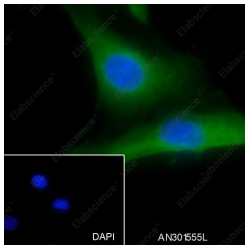
Data



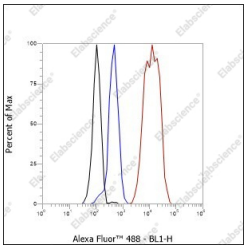
Western Blot with HMGCR Monoclonal Antibody at dilution of 1:2000. Lane 1: Jurkat, Lane 2: HepG2

Observed-MW:97 kDa

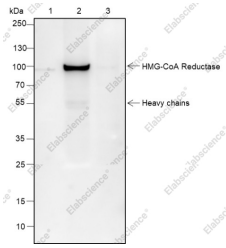
Calculated-MW:97 kDa



Immunofluorescent analysis of (4% Paraformaldehyde) fixed NIH-3T3 cells using anti-HMGCR Monoclonal Antibody at dilution of 1:50.



Flow cytometric analysis of human HMGCR expression on HepG2 cells. Cells were stained with purified anti-Human HMGCR, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.



Immunoprecipitation analysis using anti-HMGCR Monoclonal Antibody. Western blot was performed from the immunoprecipitate using HMGCR Monoclonal Antibody at a dilution of 1:25. Lane 1: 5% Input, Lane 2: HMGCR Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG Isotype

Observed-MW:97 kDa

Calculated-MW:97 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com

Shipping	Ice bag

Background

3-Hydroxy-3-methylglutaryl-CoA reductase (HMGCR) is a transmembrane glycoprotein of the endoplasmic reticulum. It is the rate-limiting enzyme for cholesterol biosynthesis and non-sterol isoprenoid biosynthesis. Play a key role in cellular cholesterol homeostasis. The activity of HMGCR is regulated by negative feedback, in which cholesterol and other end products of the metabolic pathway inhibit the activity of HMGCR in a multivalent manner. Cholesterol inhibits reductase activity mainly by inhibiting the transcription rate of HMGCR gene. HMGCR is the main target of statins, which are a class of cholesterol-lowering drugs.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com