

Mouse 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase (HMGCR) ELISA Kit | HMGCR elisa kit

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CATALOG # AAA68573	REACTIVITY Mouse
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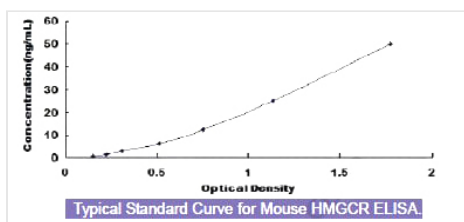
PRODUCT SYNONYMS

3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase (HMGCR); Mouse 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase (HMGCR) ELISA Kit; HMG-CoA Reductase; Hydroxymethylglutaryl-CoA Reductase; HMGCR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of HMGCR. No significant cross-reactivity or interference between HMGCR and analogues was observed.
Sequence Length	887
Samples	Tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	<0.31ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HMGCR were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HMGCR were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HMGCR elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of HMGCR in mouse tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HMGCR. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HMGCR. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain HMGCR, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of HMGCR in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	160358778
NCBI GeneID	15357
NCBI Accession #	NP_032281.2
NCBI GenBank Nucleotide #	NM_008255.2
UniProt Accession #	Q01237; Q5U4I2; G3X8U5
Molecular Weight	97,040 Da
NCBI Official Full Name	3-hydroxy-3-methylglutaryl-coenzyme A reductase isoform 1
NCBI Official Synonym Full Names	3-hydroxy-3-methylglutaryl-Coenzyme A reductase
NCBI Official Symbol	Hmgcr
NCBI Official Synonym Symbols	Red; HMG-CoAR
NCBI Protein Information	3-hydroxy-3-methylglutaryl-coenzyme A reductase
UniProt Protein Name	3-hydroxy-3-methylglutaryl-coenzyme A reductase
UniProt Gene Name	Hmgcr
UniProt Synonym Gene Names	HMG-CoA reductase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/3-hydroxy-3-methylglutaryl-coenzyme-a-reductase-hmgcr/68573>