

Guinea Pig 3-Hydroxy-3-methylglutaryl CoA reductase ELISA Kit | HMG-CoA elisa kit

Guinea pig 3-Hydroxy-3-methylglutaryl CoA reductase ELISA Kit

CATALOG #
AAA93670

REACTIVITY
Guinea Pig

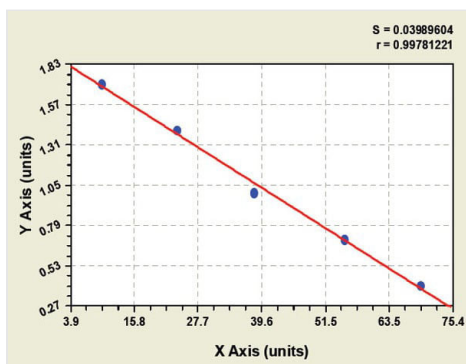
PRODUCT SYNONYMS

3-Hydroxy-3-methylglutaryl CoA reductase; Guinea pig 3-Hydroxy-3-methylglutaryl CoA reductase ELISA Kit; HMG-CoA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ug/mL
Sensitivity	0.1ug/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for HMG-CoA elisa kit

Intended Uses: This HMGCR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig HMGCR. This ELISA kit for research use only!

Principle of the Assay: HMGCR ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HMGCR antibody and an HMGCR-HRP conjugate. The assay sample and buffer are incubated together with HMGCR-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HMGCR concentration since HMGCR from samples and HMGCR-HRP conjugate compete for the anti-HMGCR antibody binding site. Since the number of sites is limited, as more sites are occupied by HMGCR from the sample, fewer sites are left to bind HMGCR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HMGCR concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	160358778
NCBI GeneID	15357
NCBI Accession #	NP_032281.2
NCBI GenBank Nucleotide #	NM_008255.2
Molecular Weight	97,040 Da
NCBI Official Full Name	3-hydroxy-3-methylglutaryl-coenzyme A reductase
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; HMG-CoA reductase; 3-hydroxy-3-methylglutaryl-CoA reductase
UniProt Protein Name	3-hydroxy-3-methylglutaryl-coenzyme A reductase
UniProt Gene Name	Hmgcr
UniProt Synonym Gene Names	HMG-CoA reductase
UniProt Entry Name	HMDH_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/hmg-coa-guinea-pig-pig-elisa-kits/3-hydroxy-3-methylglutaryl-coa-reductase/93670>