

Rat 3-Hydroxy-3-methylglutaryl-Coenzyme A Synthase ELISA Kit | HMGCS elisa kit

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CATALOG #
AAA83594

REACTIVITY
Rat

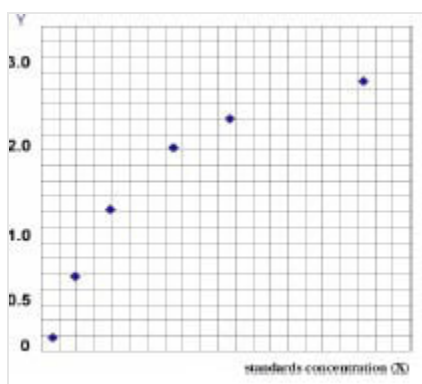
PRODUCT SYNONYMS

3-Hydroxy-3-methylglutaryl-Coenzyme A Synthase; Rat 3-Hydroxy-3-methylglutaryl-Coenzyme A Synthase ELISA Kit; HMGCS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HMGCS elisa kit

Intended Uses: This HK3 ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of HK3 in the sample, this HK3 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus HK3 concentration. The concentration of HK3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: This HK3 enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for HK3. Standards or samples are then added to the microtiter plate wells and HK3, if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of HK3 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for HK3 are added to each well to "sandwich" the HK3 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain HK3 and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148298764
NCBI GeneID	3157
NCBI Accession #	NP_002121.4
NCBI GenBank Nucleotide #	NM_002130.7
Molecular Weight	57,294 Da
NCBI Official Full Name	hydroxymethylglutaryl-CoA synthase, cytoplasmic
NCBI Official Synonym Full Names	3-hydroxy-3-methylglutaryl-CoA synthase 1 (soluble)
NCBI Official Symbol	HMGCS1
NCBI Official Synonym Symbols	HMGCS
NCBI Protein Information	hydroxymethylglutaryl-CoA synthase, cytoplasmic; 3-hydroxy-3-methylglutaryl coenzyme A (HMG-CoA) synthase; 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)
UniProt Protein Name	Hydroxymethylglutaryl-CoA synthase, cytoplasmic
UniProt Gene Name	HMGCS1
UniProt Synonym Gene Names	HMGCS; HMG-CoA synthase
UniProt Entry Name	HMCS1_HUMAN

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://www.aaabiotech.com/hmgcs-rat-elisa-kits/3-hydroxy-3-methylglutaryl-coenzyme-a-synthase/83594>