

Mouse 7-dehydrocholesterol reductase (DHCR7) ELISA Kit | DHCR7 elisa kit

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CATALOG #
AAA246154

REACTIVITY
Mouse

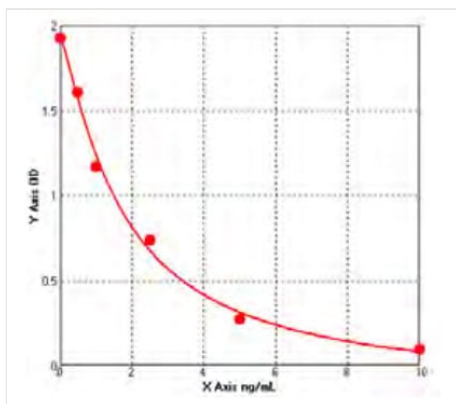
PRODUCT SYNONYMS

7-dehydrocholesterol reductase (DHCR7); Mouse 7-dehydrocholesterol reductase (DHCR7) ELISA Kit; DHCR7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of DHCR7. No significant cross-reactivity or interference between DHCR7 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DHCR7 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Intended Uses	This DHCR7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse DHCR7. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DHCR7 elisa kit	Principle of the Assay: DHCR7 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DHCR7 antibody and an DHCR7-HRP conjugate. The assay sample and buffer are incubated together with DHCR7-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 DHCR7 concentration since DHCR7 from samples and DHCR7-HRP conjugate compete for the anti-DHCR7 antibody binding site. Since the number of sites is limited, as more sites are occupied by DHCR7 from the sample, fewer sites are left to bind DHCR7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DHCR7 concentration in each sample is interpolated from this standard curve. Intended Uses: This DHCR7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse DHCR7. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	255308875
NCBI GeneID	1717
NCBI Accession #	NP_001157289.1
NCBI GenBank Nucleotide #	NM_001163817.1
Molecular Weight	54,489 Da
NCBI Official Full Name	7-dehydrocholesterol reductase
NCBI Official Synonym Full Names	7-dehydrocholesterol reductase
NCBI Official Symbol	DHCR7
NCBI Official Synonym Symbols	SLOS
NCBI Protein Information	7-dehydrocholesterol reductase; 7-DHC reductase; sterol delta-7-reductase; putative sterol reductase SR-2; delta-7-dehydrocholesterol reductase
UniProt Protein Name	7-dehydrocholesterol reductase
UniProt Gene Name	DHCR7
UniProt Synonym Gene Names	D7SR; 7-DHC reductase
UniProt Entry Name	DHCR7_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.