

Human Delta (24)-Sterol Reductase (DHCR24) ELISA Kit | DHCR24 elisa kit

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CATALOG #
AAA331957

REACTIVITY
Human

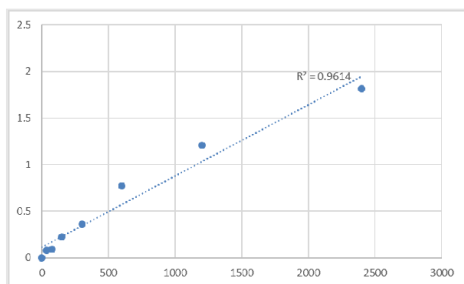
PRODUCT SYNONYMS

Delta (24)-Sterol Reductase (DHCR24); Human Delta (24)-Sterol Reductase (DHCR24) ELISA Kit; DHCR24; KIAA0018; Nbla03646; SELADIN1; seladin-1; 3 beta-hydroxysterol delta 24-reductase; diminuto/dwarf1 homolog; putative protein product of Nbla03646; selective AD indicator 1; DHCR24 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Delta (24)-sterol reductase (DHCR24) ELISA Kit has high sensitivity and excellent specificity for detection of Human DHCR24. No significant cross-reactivity or interference between Human DHCR24 and analogues was observed.
Sequence Length	516
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Delta (24)-sterol reductase (DHCR24) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for DHCR24 elisa kit	Description: This Human Delta (24)-sterol reductase (DHCR24) ELISA Kit employs a two-site sandwich ELISA to quantitate DHCR24 in samples. An antibody specific for DHCR24 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any DHCR24 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DHCR24 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of DHCR24 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: DHCR24 encodes a flavin adenine dinucleotide (FAD)-dependent oxidoreductase which catalyzes the reduction of the delta-24 double bond of sterol intermediates during cholesterol biosynthesis. The protein contains a leader sequence that directs it to the endoplasmic reticulum membrane. Missense mutations in DHCR24 have been associated with desmosterolosis. Also, reduced expression of DHCR24 occurs in the temporal cortex of Alzheimer disease patients and overexpression has been observed in adrenal gland cancer cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20141421
NCBI GeneID	1718
UniProt Accession #	Q15392
NCBI Official Full Name	Delta(24)-sterol reductase
NCBI Official Synonym Full Names	24-dehydrocholesterol reductase
NCBI Official Symbol	DHCR24
NCBI Official Synonym Symbols	DCE; SELADIN1; Nbla03646; seladin-1
NCBI Protein Information	delta(24)-sterol reductase
UniProt Protein Name	Delta(24)-sterol reductase
UniProt Gene Name	DHCR24
UniProt Synonym Gene Names	KIAA0018
UniProt Entry Name	DHC24_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://stage.aaabiotech.com/human-elisa-kits/delta-24-sterol-reductase-dhcr24/331957>