

Rat Acyl-CoA desaturase (SCD) ELISA Kit | SCD elisa kit

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CATALOG #
AAA245715

REACTIVITY
Rat

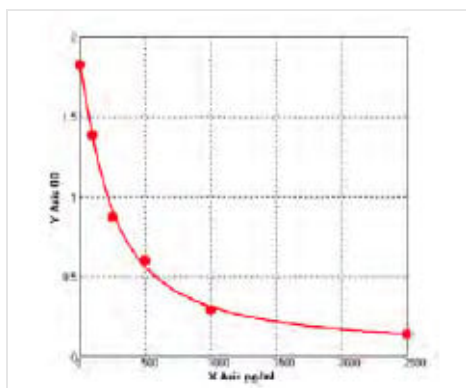
PRODUCT SYNONYMS

Acyl-CoA desaturase (SCD); Rat Acyl-CoA desaturase (SCD) ELISA Kit; SCD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SCD elisa kit

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

Principle of the Assay: SCD ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-SCD antibody and an SCD-HRP conjugate. The assay sample and buffer are incubated together with SCD-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 SCD concentration since SCD from samples and SCD-HRP conjugate compete for the anti-SCD antibody binding site. Since the number of sites is limited, as more sites are occupied by SCD from the sample, fewer sites are left to bind SCD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SCD concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	53759151
NCBI GeneID	6319
NCBI Accession #	NP_005054.3
NCBI GenBank Nucleotide #	NM_005063.4
Molecular Weight	41,523 Da
NCBI Official Full Name	acyl-CoA desaturase
NCBI Official Synonym Full Names	stearoyl-CoA desaturase (delta-9-desaturase)
NCBI Official Symbol	SCD
NCBI Official Synonym Symbols	SCD1; FADS5; SCDOS; MSTP008
NCBI Protein Information	acyl-CoA desaturase; delta-9 desaturase; delta-9-desaturase; delta(9)-desaturase; fatty acid desaturase; predicted protein of HQ0998; stearoyl-CoA desaturase opposite strand
UniProt Protein Name	Acyl-CoA desaturase
UniProt Gene Name	SCD
UniProt Synonym Gene Names	Delta-9 desaturase
UniProt Entry Name	ACOD_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/rat-elisa-kits/acyl-coa-desaturase-scd/245715>