

Human Oxidosqualene Cyclase ELISA Kit | OSC elisa kit

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CATALOG #
AAA83202

REACTIVITY
Human

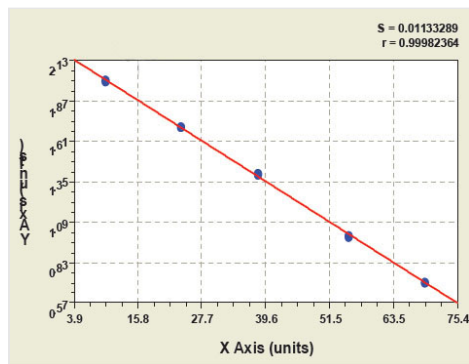
PRODUCT SYNONYMS

Oxidosqualene Cyclase; Human Oxidosqualene Cyclase ELISA Kit; OSC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This OSC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human OSC. 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 OSC elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	1098635
NCBI GeneID	81681
Molecular Weight	83,301 Da
NCBI Official Full Name	oxidosqualene cyclase
NCBI Official Synonym Full Names	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase)
NCBI Official Symbol	Lss
NCBI Protein Information	lanosterol synthase; OSC; oxidosqualene--lanosterol cyclase; 2,3-epoxysqualene--lanosterol cyclase; 2,3-oxidosqualene: lanosterol cyclase
UniProt Protein Name	Lanosterol synthase
UniProt Gene Name	Lss
UniProt Synonym Gene Names	Osc; OSC
UniProt Entry Name	ERG7_RAT

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/osc-human-elisa-kits/oxidosqualene-cyclase/83202>