

Human Scleraxis Homolog (SCX) ELISA Kit | SCX elisa kit

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CATALOG #
AAA68679

REACTIVITY
Human

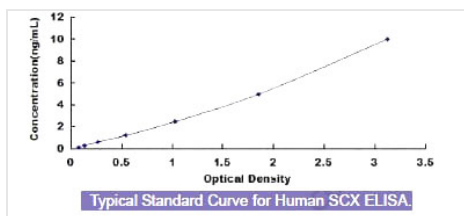
PRODUCT SYNONYMS

Scleraxis Homolog (SCX); Human Scleraxis Homolog (SCX) ELISA Kit; bHLHa41; BHLHA48; SCXA; SCXB; Basic helix-loop-helix transcription factor scleraxis; Scleraxis basic helix-loop-helix transcription factor; SCX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SCX. No significant cross-reactivity or interference between SCX and analogues was observed.
Sequence Length	201
Samples	Tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.055ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SCX were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SCX were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SCX elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SCX in human tissue homogenates, cell lysates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SCX. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SCX. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain SCX, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of SCX in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148922889
NCBI GeneID	642658
NCBI Accession #	NP_001073983.1
NCBI GenBank Nucleotide #	NM_001080514.2
UniProt Accession #	Q7RTU7
Molecular Weight	21,596 Da
NCBI Official Full Name	basic helix-loop-helix transcription factor scleraxis
NCBI Official Synonym Full Names	scleraxis bHLH transcription factor
NCBI Official Symbol	SCX
NCBI Official Synonym Symbols	SCXA; SCXB; bHLHa48
NCBI Protein Information	basic helix-loop-helix transcription factor scleraxis
UniProt Protein Name	Basic helix-loop-helix transcription factor scleraxis
UniProt Gene Name	SCX
UniProt Synonym Gene Names	BHLHA41; BHLHA48; SCXA; SCXB; bHLHa41; bHLHa48

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/scleraxis-homolog-scx/68679>