

Human Basic Helix-Loop-Helix Transcription Factor Scleraxis (SCXA) ELISA Kit | SCXA elisa kit

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CATALOG #
AAA330939

REACTIVITY
Human

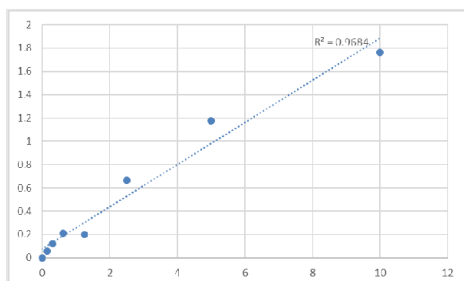
PRODUCT SYNONYMS

Basic Helix-Loop-Helix Transcription Factor Scleraxis (SCXA); Human Basic Helix-Loop-Helix Transcription Factor Scleraxis (SCXA) ELISA Kit; SCXA; SCX; bHLHa41; class bHLH protein scleraxis; scleraxis homolog A; SCXA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Basic helix-loop-helix transcription factor scleraxis (SCXA) ELISA Kit has high sensitivity and excellent specificity for detection of Human SCXA. No significant cross-reactivity or interference between Human SCXA and analogues was observed.
Sequence Length	201
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 Basic helix-loop-helix transcription factor scleraxis (SCXA) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SCXA elisa kit	Description: This Human Basic helix-loop-helix transcription factor scleraxis (SCXA) ELISA Kit employs a two-site sandwich ELISA to quantitate SCXA in samples. An antibody specific for SCXA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SCXA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SCXA 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 SCXA bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: By real-time PCR, Schulze-Tanzil et al. (2004) found that expression of SCX, a tendon-specific marker, increased in human tenocytes during their entire time in high-density cultures. By in situ hybridization, Brent et al. (2003) found that Scx was expressed in axial and ventrolateral body wall tendons during chicken embryonic development. It was also expressed in a population of tendon progenitors in developing somites. Brent et al. (2003) determined that FGF signaling in the myotome was both necessary and sufficient for induction of Scx expression in developing chicken somites. Overexpression of Pax1 inhibited Scx expression in somites. Hartz (2004) mapped the SCX gene to chromosome 8q24.3 based on an alignment of the SCX sequence with the genomic sequence.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148922889
NCBI GeneID	642658
NCBI Accession #	NP_001073983.1
NCBI GenBank Nucleotide #	NP_001073983.1
UniProt Accession #	Q7RTU7
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://www.aaabiotech.com/human-elisa-kits/basic-helix-loop-helix-transcription-factor-scleraxis-scx/330939>