

Human Osteonectin (ON) ELISA Kit | ON elisa kit

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CATALOG #
AAA330553

REACTIVITY
Human

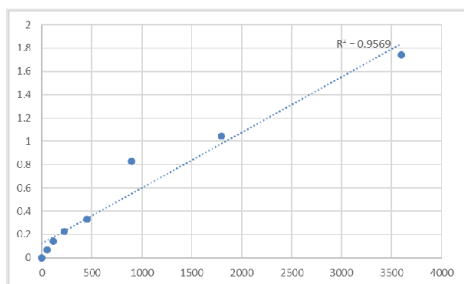
PRODUCT SYNONYMS

Osteonectin (ON); Human Osteonectin (ON) ELISA Kit; SPOCK2; FLJ97039; testican-2; ON elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Osteonectin (ON) ELISA Kit has high sensitivity and excellent specificity for detection of Human SPOCK2. No significant cross-reactivity or interference between Human SPOCK2 and analogues was observed.
Sequence Length	424
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 Osteonectin (ON) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ON elisa kit	Description: This Human Osteonectin (ON) ELISA Kit employs a two-site sandwich ELISA to quantitate SPOCK2 in samples. An antibody specific for SPOCK2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SPOCK2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPOCK2 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 SPOCK2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Osteonectin is a glycoprotein in the bone that binds calcium. It is secreted by osteoblasts during bone formation, initiating mineralization and promoting mineral crystal formation. Osteonectin also shows affinity for collagen in addition to bone mineral calcium. Some current research shows a correlation between osteonectin over expression and ampullary cancers and chronic pancreatitis. Osteonectin is an acidic, secreted extracellular matrix glycoprotein that plays a vital role in bone mineralization, cell-matrix interactions, and collagen binding. Osteonectin also increases the production and activity of matrix metalloproteinases, a function important to invading cancer cells within bone. Additional functions of osteonectin beneficial to tumor cells include angiogenesis, proliferation and migration.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7662036
NCBI GeneID	9806
NCBI Accession #	NP_055582.1
NCBI GenBank Nucleotide #	NP_055582.1
UniProt Accession #	Q92563
NCBI Official Full Name	testican-2 isoform 2
NCBI Official Synonym Full Names	SPARC (osteonectin), cwcv and kazal like domains proteoglycan 2
NCBI Official Symbol	SPOCK2
NCBI Official Synonym Symbols	testican-2
NCBI Protein Information	testican-2
UniProt Protein Name	Testican-2
UniProt Gene Name	SPOCK2
UniProt Synonym Gene Names	KIAA0275; TICN2
UniProt Entry Name	TICN2_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.