

Human WISP1/CCN4 ELISA Kit | WISP1 elisa kit

Human WISP1/CCN4 PicoKine ELISA Kit

CATALOG #
AAA45992

REACTIVITY
Human

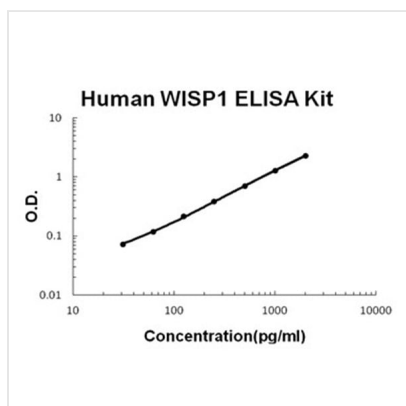
PRODUCT SYNONYMS

WISP1/CCN4; Human WISP1/CCN4 PicoKine ELISA Kit; WNT1-inducible-signaling pathway protein 1; WNT1 inducible signaling pathway protein 1; CCN family member 4; CCN4; WISP1; WISP1c; WISP1i; WISP1tc; Wnt 1 inducible signaling pathway protein 1; Wnt-1 induced secreted protein; WNT1 induced secreted protein 1; WNT1 inducible-signaling pathway protein 1; WISP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human WISP1
Sequence Length	367
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human WISP1/CCN4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for WISP1 elisa kit	Principle of the assay: human WISP1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for WISP1 has been precoated onto 96-well plates. Standards(NSO, T23-N367) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for WISP1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human WISP1 amount of sample captured in plate. Background: WISP1 (WNT1-Inducible Signaling Pathway Protein 1), also known as CCN4, is a matricellular protein that in humans is encoded by the WISP1 gene. WISP1 is induced by WNT1 and belongs to the CCN family, which includes connective tissue growth factor, cysteine-rich-61, and nephroblastoma overexpressed. By use of radiation hybrid mapping panels, the WISP1 was mapped to chromosome 8q24.1-q24.3, roughly 4 Mb distal to MYC. It found that 2 distinct systems demonstrated that WISP induction was associated with expression of WNT1. WISP1 genomic DNA was amplified in colon cancer cell lines and in human colon tumors, and its RNA was overexpressed in 84% of tumors examined compared with patient-matched normal mucosa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34098393
NCBI GeneID	8840
UniProt Accession #	O95388; Q5JBS6; Q5JBS7; Q5JBS8; Q9HCS3; A8KAG6; E7EMM5
Molecular Weight	21,550 Da
NCBI Official Full Name	WNT1-inducible-signaling pathway protein 1
NCBI Official Synonym Full Names	WNT1 inducible signaling pathway protein 1
NCBI Official Symbol	WISP1
NCBI Official Synonym Symbols	CCN4; WISP1c; WISP1i; WISP1tc
NCBI Protein Information	WNT1-inducible-signaling pathway protein 1; CTC-458A3.8; CCN family member 4; WNT1 induced secreted protein 1; Wnt-1 inducible signaling pathway protein 1
UniProt Protein Name	WNT1-inducible-signaling pathway protein 1
UniProt Gene Name	WISP1
UniProt Synonym Gene Names	CCN4; WISP-1
UniProt Entry Name	WISP1_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.