

Human WNT1-Inducible-Signaling Pathway Protein 2 (WISP2) ELISA Kit | WISP2 elisa kit

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CATALOG #
AAA330258

REACTIVITY
Human

PRODUCT SYNONYMS

WNT1-Inducible-Signaling Pathway Protein 2 (WISP2); Human WNT1-Inducible-Signaling Pathway Protein 2 (WISP2) ELISA Kit; WISP2; CCN5; CT58; CTGF-L; OTTHUMP00000063227; connective tissue growth factor-like protein; wnt-1 signaling pathway protein 2; WISP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human WNT1-inducible-signaling pathway protein 2 (WISP2) ELISA Kit has high sensitivity and excellent specificity for detection of Human WISP2. No significant cross-reactivity or interference between Human WISP2 and analogues was observed.
Sequence Length	250
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 WNT1-inducible-signaling pathway protein 2 (WISP2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for WISP2 elisa kit	Description: This Human WNT1-inducible-signaling pathway protein 2 (WISP2) ELISA Kit employs a two-site sandwich ELISA to quantitate WISP2 in samples. An antibody specific for WISP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any WISP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WISP2 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 WISP2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: WISP2 encodes a member of the WNT1 inducible signaling pathway (WISP) protein subfamily, which belongs to the connective tissue growth factor (CTGF) family. WNT1 is a member of a family of cysteine-rich, glycosylated signaling proteins that mediate diverse developmental processes. The encoded protein lacks the CT domain which is implicated in dimerization and heparin binding. It is 72% identical to the mouse protein at the amino acid level. This gene may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. Its expression in colon tumors is reduced while the other two WISP members are overexpressed in colon tumors. It is expressed at high levels in bone tissue, and may play an important role in modulating bone turnover.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24211561
NCBI GeneID	8839
UniProt Accession #	O76076
NCBI Official Full Name	WNT1-inducible-signaling pathway protein 2
NCBI Official Synonym Full Names	cellular communication network factor 5
NCBI Official Symbol	CCN5
NCBI Official Synonym Symbols	CT58; WISP2; CTGF-L
NCBI Protein Information	WNT1-inducible-signaling pathway protein 2
UniProt Protein Name	WNT1-inducible-signaling pathway protein 2
UniProt Gene Name	WISP2
UniProt Synonym Gene Names	CCN5; CT58; CTGFL; WISP-2; CTGF-L
UniProt Entry Name	WISP2_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/wnt1-inducible-signaling-pathway-protein-2-wisp2/330258>