

Mouse WNT1-Inducible-Signaling Pathway Protein 1 (WISP1) ELISA Kit | WISP1 elisa kit

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CATALOG #
AAA332029

REACTIVITY
Mouse

PRODUCT SYNONYMS

WNT1-Inducible-Signaling Pathway Protein 1 (WISP1); Mouse WNT1-Inducible-Signaling Pathway Protein 1 (WISP1) ELISA Kit; WISP1; CCN4; WISP1c; WISP1i; WISP1tc; WNT1 induced secreted protein 1; Wnt-1 inducible signaling pathway protein 1; wnt-1 signaling pathway protein 1; WISP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse WNT1-inducible-signaling pathway protein 1 (WISP1) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse WISP1. No significant cross-reactivity or interference between Mouse WISP1 and analogues was observed.
Sequence Length	367
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. Mouse WNT1-inducible-signaling pathway protein 1 (WISP1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for WISP1 elisa kit	Description: This Mouse WNT1-inducible-signaling pathway protein 1 (WISP1) ELISA Kit employs a two-site sandwich ELISA to quantitate WISP1 in samples. An antibody specific for WISP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any WISP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WISP1 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 WISP1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: WISP1 encodes a member of the WNT1 inducible signaling pathway (WISP) protein subfamily. This gene may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. It is expressed at a high level in fibroblast cells, and overexpressed in colon tumors. The encoded protein binds to decorin and biglycan, two members of a family of small leucine-rich proteoglycans present in the extracellular matrix of connective tissue, and possibly prevents the inhibitory activity of decorin and biglycan in tumor cell proliferation. It also attenuates p53-mediated apoptosis in response to DNA damage through activation of the Akt kinase. It is 83% identical to the mouse protein at the amino acid level. Alternative splicing of this gene generates 2 transcript variants.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34098380
NCBI GeneID	22402
UniProt Accession #	O54775
NCBI Official Full Name	WNT1-inducible-signaling pathway protein 1
NCBI Official Synonym Full Names	cellular communication network factor 4
NCBI Official Symbol	Ccn4
NCBI Official Synonym Symbols	Elm1; Wisp1; AW146261
NCBI Protein Information	WNT1-inducible-signaling pathway protein 1
UniProt Protein Name	WNT1-inducible-signaling pathway protein 1
UniProt Gene Name	Wisp1
UniProt Synonym Gene Names	Ccn4; Elm1; WISP-1
UniProt Entry Name	WISP1_MOUSE

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/mouse-elisa-kits/wnt1-inducible-signaling-pathway-protein-1-wisp1/332029>