

Human Wnt Inhibitory Factor 1 (WIF1) ELISA Kit | WIF1 elisa kit

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CATALOG #
AAA330260

REACTIVITY
Human

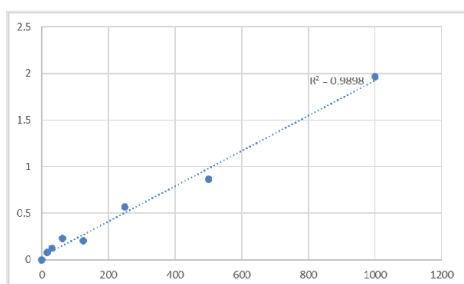
PRODUCT SYNONYMS

Wnt Inhibitory Factor 1 (WIF1); Human Wnt Inhibitory Factor 1 (WIF1) ELISA Kit; WIF1; WIF-1; WIF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Wnt inhibitory factor 1 (WIF1) ELISA Kit has high sensitivity and excellent specificity for detection of Human WIF1. No significant cross-reactivity or interference between Human WIF1 and analogues was observed.
Sequence Length	379
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 Wnt inhibitory factor 1 (WIF1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for WIF1 elisa kit	Description: This Human Wnt inhibitory factor 1 (WIF1) ELISA Kit employs a two-site sandwich ELISA to quantitate WIF1 in samples. An antibody specific for WIF1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any WIF1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WIF1 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 WIF1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: WNT proteins are extracellular signaling molecules involved in the control of embryonic development. This gene encodes a secreted protein, which binds WNT proteins and inhibits their activities. This protein contains a WNT inhibitory factor (WIF) domain and 5 epidermal growth factor (EGF)-like domains. It may be involved in mesoderm segmentation. This protein is found to be present in fish, amphibia and mammals.The deduced 379-amino acid WIF1 secreted protein contains an N-terminal signal sequence, a 150-amino acid WIF domain, 5 epidermal growth factor (EGF)-like repeats that are similar to those of tenascin, and a C-terminal hydrophilic domain of approximately 45 amino acids. Overexpression of human WIF1 in frog embryos affected somitogenesis depending on the site and timing of WIF1 injection..
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NCBI AND UNIPROT INFORMATION

NCBI GI #	111125011
NCBI GeneID	11197
NCBI Accession #	NP_009122.2
NCBI GenBank Nucleotide #	NP_009122.2
UniProt Accession #	Q9Y5W5
NCBI Official Full Name	wnt inhibitory factor 1
NCBI Official Synonym Full Names	WNT inhibitory factor 1
NCBI Official Symbol	WIF1
NCBI Official Synonym Symbols	WIF-1
NCBI Protein Information	wnt inhibitory factor 1
UniProt Protein Name	Wnt inhibitory factor 1
UniProt Gene Name	WIF1
UniProt Synonym Gene Names	WIF-1
UniProt Entry Name	WIF1_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.