

Rat WIF-1 ELISA Kit | WIF1 elisa kit

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CATALOG #
AAA263172

REACTIVITY
Rat

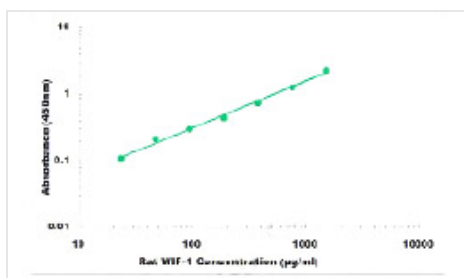
PRODUCT SYNONYMS

WIF-1; Rat WIF-1 ELISA Kit; Wnt inhibitory factor 1; WIF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat WIF-1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat WIF-1 proteins within the range of 23.4 pg/ml - 1500 pg/ml.
Sequence Length	365
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for WIF1 elisa kit

Principle of the Assay: The Rat WIF-1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat WIF-1 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Rat WIF-1 coated on a 96-well plate. Standards and samples are pipetted into the wells and WIF-1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat WIF-1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of WIF-1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: Wnt inhibitory factor 1 is a protein that in humans is encoded by the WIF1 gene. The protein encoded by this gene functions to inhibit WNT proteins, which are extracellular signaling molecules that play a role in embryonic development. Additionally, this protein contains a WNT inhibitory factor (WIF) domain and five epidermal growth factor (EGF)-like domains, and is thought to be involved in mesoderm segmentation. This gene functions as a tumor suppressor gene, and has been found to be epigenetically silenced in various cancers.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16758560
NCBI GeneID	114557
NCBI Accession #	NP_446190.1
NCBI GenBank Nucleotide #	NM_053738.1
UniProt Accession #	Q6IN38; Q924Y6
Molecular Weight	40,063 Da
NCBI Official Full Name	wnt inhibitory factor 1
NCBI Official Synonym Full Names	Wnt inhibitory factor 1
NCBI Official Symbol	Wif1
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_RAT

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://www.aaabiotech.com/wif1-rat-elisa-kits/wif-1/263172>