

Human Wilms Tumor Protein (WT1) ELISA Kit | WT1 elisa kit

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CATALOG #
AAA330247

REACTIVITY
Human

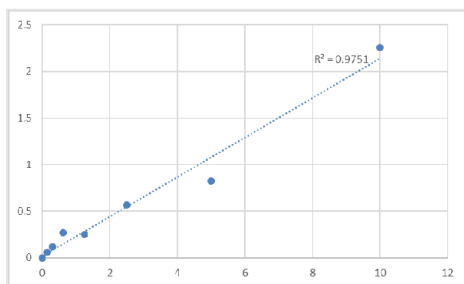
PRODUCT SYNONYMS

Wilms Tumor Protein (WT1); Human Wilms Tumor Protein (WT1) ELISA Kit; WT1; AWT1; GUD; WAGR; WIT-2; WT33; OTTHUMP00000037553; WT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Wilms tumor protein (WT1) ELISA Kit has high sensitivity and excellent specificity for detection of Human WT1. No significant cross-reactivity or interference between Human WT1 and analogues was observed.
Sequence Length	514
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 Wilms tumor protein (WT1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for WT1 elisa kit	Description: This Human Wilms tumor protein (WT1) ELISA Kit employs a two-site sandwich ELISA to quantitate WT1 in samples. An antibody specific for WT1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any WT1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WT1 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 WT1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Wilms tumor protein is a transcription factor that contains four zinc-finger motifs at the C-terminus and a proline/glutamine-rich DNA-binding domain at the N-terminus. It has an essential role in the normal development of the urogenital system, and it is mutated in a subset of patients with Wilms' tumor, the gene's namesake. Multiple transcript variants, resulting from alternative splicing at two coding exons, have been well characterized. There is also evidence for the use of non-AUG (CUG) translation initiation site upstream of, and in-frame with the first AUG, leading to additional isoforms.WT1 mRNA undergoes RNA editing in human and rat, and that this process is tissue-restricted and developmentally regulated.The WT1 protein has been found to bind a host of cellular factors, e.g. p53, a known tumor suppressor.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	65507817
NCBI GeneID	7490
NCBI Accession #	NP_077742.2
NCBI GenBank Nucleotide #	NP_077742.2
UniProt Accession #	P19544
NCBI Official Full Name	Wilms tumor protein isoform B
NCBI Official Synonym Full Names	WT1 transcription factor
NCBI Official Symbol	WT1
NCBI Official Synonym Symbols	GUD; AWT1; WAGR; WT33; NPHS4; WIT-2
NCBI Protein Information	Wilms tumor protein
UniProt Protein Name	Wilms tumor protein
UniProt Gene Name	WT1
UniProt Entry Name	WT1_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.