

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

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CATALOG #
AAA136449

REACTIVITY
Human

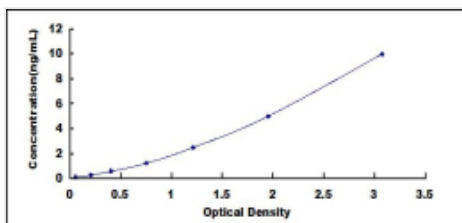
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Wilms Tumor Protein (WT1). No significant cross-reactivity or interference between Wilms Tumor Protein (WT1) and analogues was observed.
Sequence Length	514
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Wilms Tumor Protein (WT1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Wilms Tumor Protein (WT1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for WT1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Wilms Tumor Protein (WT1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Wilms Tumor Protein (WT1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Wilms Tumor Protein (WT1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Wilms Tumor Protein (WT1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for WT1 elisa kit	Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	65507817
NCBI GeneID	7490
NCBI Accession #	NP_077742.2
NCBI GenBank Nucleotide #	NM_024424.3
UniProt Accession #	P19544; Q15881; Q16256; Q16575; Q4VXV4; Q4VXV5; Q4VXV6; Q8IYZ5; A8K6S1; B3KSA5
Molecular Weight	33,086 Da
NCBI Official Full Name	Wilms tumor protein isoform B
NCBI Official Synonym Full Names	Wilms tumor 1
NCBI Official Symbol	WT1
NCBI Official Synonym Symbols	GUD; AWT1; WAGR; WT33; NPHS4; WIT-2; EWS-WT1
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/wilms-tumor-protein-wt1/136449>