

Human WAP four disulfide core domain protein 1 (WFDC1) ELISA Kit | WFDC1 elisa kit

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CATALOG #
AAA246605

REACTIVITY
Human

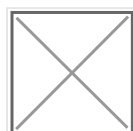
PRODUCT SYNONYMS

WAP four disulfide core domain protein 1 (WFDC1); Human WAP four disulfide core domain protein 1 (WFDC1) ELISA Kit; WFDC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of WFDC1. No significant cross-reactivity or interference between WFDC1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between WFDC1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for WFDC1 elisa kit

Intended Uses: This WFDC1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human WFDC1. This ELISA kit for research use only, not for therapeutic or test applications!

Principle of the Assay: WFDC1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-WFDC1 antibody and an WFDC1-HRP conjugate. The assay sample and buffer are incubated together with WFDC1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the WFDC1 concentration since WFDC1 from samples and WFDC1-HRP conjugate compete for the anti-WFDC1 antibody binding site. Since the number of sites is limited, as more sites are occupied by WFDC1 from the sample, fewer sites are left to bind WFDC1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The WFDC1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for WFDC1 elisa kit

[Cell Biology](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	18379353
NCBI GeneID	58189
NCBI Accession #	NP_067020.2
NCBI GenBank Nucleotide #	NM_021197.3
Molecular Weight	23,977 Da
NCBI Official Full Name	WAP four-disulfide core domain protein 1 isoform 1
NCBI Official Synonym Full Names	WAP four-disulfide core domain 1
NCBI Official Symbol	WFDC1
NCBI Official Synonym Symbols	PS20
NCBI Protein Information	WAP four-disulfide core domain protein 1; ps20 growth inhibitor; prostate stromal protein ps20; WAP four-disulfide core domain 1 homolog
UniProt Protein Name	WAP four-disulfide core domain protein 1
UniProt Gene Name	WFDC1
UniProt Synonym Gene Names	PS20
UniProt Entry Name	WFDC1_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/wap-four-disulfide-core-domain-protein-1-wfdc1/246605>