

Human WAP Four-Disulfide Core Domain Protein 5 (WFDC5) ELISA Kit | WFDC5 elisa kit

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CATALOG #
AAA330262

REACTIVITY
Human

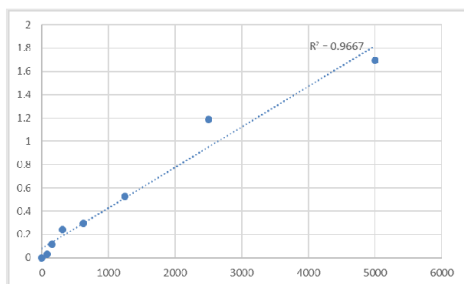
PRODUCT SYNONYMS

WAP Four-Disulfide Core Domain Protein 5 (WFDC5); Human WAP Four-Disulfide Core Domain Protein 5 (WFDC5) ELISA Kit; WFDC5; PRG5; WAP1; dJ211D12.5; p53-responsive gene 5; protease inhibitor WAP1; WFDC5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human WAP four-disulfide core domain protein 5 (WFDC5) ELISA Kit has high sensitivity and excellent specificity for detection of Human WFDC5. No significant cross-reactivity or interference between Human WFDC5 and analogues was observed.
Sequence Length	123
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 WAP four-disulfide core domain protein 5 (WFDC5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for WFDC5 elisa kit	Description: This Human WAP four-disulfide core domain protein 5 (WFDC5) ELISA Kit employs a two-site sandwich ELISA to quantitate WFDC5 in samples. An antibody specific for WFDC5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any WFDC5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WFDC5 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 WFDC5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: WFDC5 encodes a member of the WAP-type four-disulfide core (WFDC) domain family. Most WFDC proteins contain only one WFDC domain, and this encoded protein contains two WFDC domains. The WFDC domain, or WAP signature motif, contains eight cysteines forming four disulfide bonds at the core of the protein, and functions as a protease inhibitor. Most WFDC gene members are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. The deduced 123-amino acid protein contains an N-terminal signal peptide, followed by 2 WAP domains. Each WAP domain contains 8 cysteines that form conserved disulfide bridges, and each WAP domain forms a proposed protease-binding loop and a beta sheet. The mature 99-amino acid WAP1 protein has a calculated molecular mass of 10.9 kD.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21717822
NCBI GeneID	149708
NCBI Accession #	NP_663627.1
NCBI GenBank Nucleotide #	NP_663627.1
UniProt Accession #	Q8TCV5
NCBI Official Full Name	WAP four-disulfide core domain protein 5
NCBI Official Synonym Full Names	WAP four-disulfide core domain 5
NCBI Official Symbol	WFDC5
NCBI Official Synonym Symbols	PRG5; WAP1; dJ211D12.5
NCBI Protein Information	WAP four-disulfide core domain protein 5
UniProt Protein Name	WAP four-disulfide core domain protein 5
UniProt Gene Name	WFDC5
UniProt Synonym Gene Names	PRG5; WAP1

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-5-wfdc5/330262>