

Human HE4 ELISA Kit | WFDC2 elisa kit

Human HE4 ELISA Kit

CATALOG #
AAA263098

REACTIVITY
Human

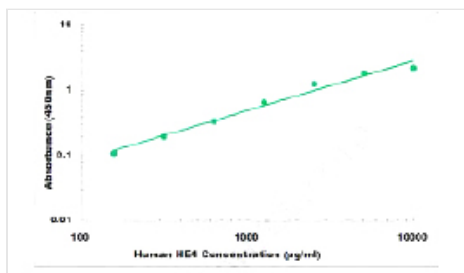
PRODUCT SYNONYMS

HE4; Human HE4 ELISA Kit; WAP5; WAP four-disulfide core domain protein 2; Epididymal secretory protein E4; Major epididymis-specific protein E4; Putative protease inhibitor WAP5; WFDC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human HE4 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human HE4 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	124
Samples	Cell Culture Supernates, Serum, Plasma, Saliva, Urine, Human Milk
Sensitivity	<15 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 WFDC2 elisa kit

Principle of the Assay: The Human HE4 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human HE4 in Cell Culture Supernates, Serum, Plasma, Saliva, Urine, Human Milk. This assay employs an antibody specific for Human HE4 coated on a 96-well plate. Standards and samples are pipetted into the wells and HE4 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human HE4 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 HE4 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: WAP four-disulfide core domain protein 2, also known as Human Epididymis Protein 4 (HE4), is a protein that in humans is encoded by the WFDC2 gene. This gene encodes a protein that is a member of the WFDC domain family. 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 in many family members. This gene is expressed in pulmonary epithelial cells, and was also found to be expressed in some ovarian cancers. The encoded protein is a small secretory protein, which may be involved in sperm maturation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	56699495
NCBI GeneID	10406
NCBI Accession #	NP_006094.3
NCBI GenBank Nucleotide #	NM_006103.3
UniProt Accession #	Q14508; Q6IB27; Q8WXV9; Q8WXW0; Q8WXW1; Q8WXW2; Q96KJ1; A2A2A5; A2A2A6; A6PVD5
Molecular Weight	11,043 Da
NCBI Official Full Name	WAP four-disulfide core domain protein 2
NCBI Official Synonym Full Names	WAP four-disulfide core domain 2
NCBI Official Symbol	WFDC2
NCBI Official Synonym Symbols	HE4; WAP5; EDDM4; dJ461P17.6
NCBI Protein Information	WAP four-disulfide core domain protein 2
UniProt Protein Name	WAP four-disulfide core domain protein 2
UniProt Gene Name	WFDC2
UniProt Synonym Gene Names	HE4; WAP5
UniProt Entry Name	WFDC2_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://www.aaabiotech.com/wfdc2-human-elisa-kits/he4/263098>