

Human Epididymis Protein 4 ELISA Kit | HE 4 elisa kit

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CATALOG #
AAA87114

REACTIVITY
Human

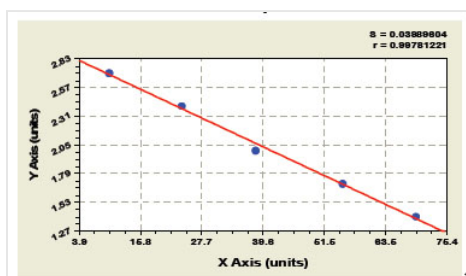
PRODUCT SYNONYMS

Epididymis Protein 4; Human Epididymis Protein 4 ELISA Kit; HE 4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pmol/ml.
Intended Uses	This EP-4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human EP-4. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HE 4 elisa kit

Principle of the assay: EP-4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-EP-4 antibody and an EP-4-HRP conjugate. The assay sample and buffer are incubated together with EP-4-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 EP-4 concentration since EP-4 from samples and EP-4-HRP conjugate compete for the anti-EP-4 antibody binding site. Since the number of sites is limited, as more sites are occupied by EP-4 from the sample, fewer sites are left to bind EP-4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The EP-4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

56699495

NCBI GeneID	10406
NCBI Accession #	NP_006094.3
NCBI GenBank Nucleotide #	NM_006103.3
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; epididymal protein 4; epididymal secretory protein E4; putative protease inhibitor WAP5; WAP domain containing protein HE4-V4; major epididymis-specific protein E4; epididymis-specific, whey-acidic protein type, four-disulfide core
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://stage.aaabiotech.com/he-4-human-elisa-kits/epididymis-protein-4/87114>