

## Human Epididymal Protein 4 (HE4) ELISA Kit | HE4 elisa kit

Human Epididymal Protein 4 (HE4) ELISA Kit

CATALOG #  
**AAA330263**

REACTIVITY  
**Human**

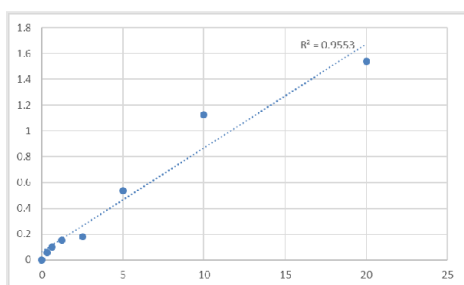
### PRODUCT SYNONYMS

Epididymal Protein 4 (HE4); Human Epididymal Protein 4 (HE4) ELISA Kit; HE4; EDDM4; WFDC2; MGC57529; WAP5; dJ461P17.6; WAP domain containing protein HE4-V4; epididymal protein 4; epididymal secretory protein E4; epididymis-specific; whey-acidic protein type; four-disulfide core; m; HE4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Epididymal protein 4 (HE4) ELISA Kit has high sensitivity and excellent specificity for detection of Human HE4. No significant cross-reactivity or interference between Human HE4 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Sequence Length         | 124                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



**Standard Curve (Sample)**

Fig.1. Human Epididymal protein 4 (HE4) Standard Curve.

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for HE4 elisa kit | <p>Description: This Human Epididymal protein 4 (HE4) ELISA Kit employs a two-site sandwich ELISA to quantitate HE4 in samples. An antibody specific for HE4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HE4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HE4 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 HE4 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: WAP four-disulfide core domain protein 2 is 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. Expressed in a number of normal tissues, including male reproductive system, regions of the respiratory tract and nasopharynx. Highly expressed in a number of tumors cells lines, such ovarian, colon, breast, lung and renal cells lines. Initially described as being exclusively transcribed in the epididymis.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                          |
|----------------------------------|------------------------------------------|
| NCBI GI #                        | 56699495                                 |
| NCBI GeneID                      | 10406                                    |
| NCBI Accession #                 | NP_006094.3                              |
| NCBI GenBank Nucleotide #        | NP_006094.3                              |
| UniProt Accession #              | Q14508                                   |
| 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.