

Datasheet for ABIN5510648

WFDC2 ELISA Kit**1** Image**1** Publication[Go to Product page](#)

Overview

Quantity:	96 tests
Target:	WFDC2
Binding Specificity:	AA 31-124
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human HE4
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: E.coli Immunogen sequence: E31-F124
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Tissue Specificity: 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. .

Target Details

Target:	WFDC2
Alternative Name:	WFDC2 (WFDC2 Products)
Background:	<p>Protein Function: Broad range protease inhibitor. .</p> <p>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.</p> <p>Synonyms: WAP four-disulfide core domain protein 2,Epididymal secretory protein E4,Major epididymis-specific protein E4,Putative protease inhibitor WAP5,WFDC2,HE4, WAP5,</p> <p>Full Gene Name: WAP four-disulfide core domain protein 2</p> <p>Cellular Localisation: Secreted.</p>
UniProt:	Q14508

Application Details

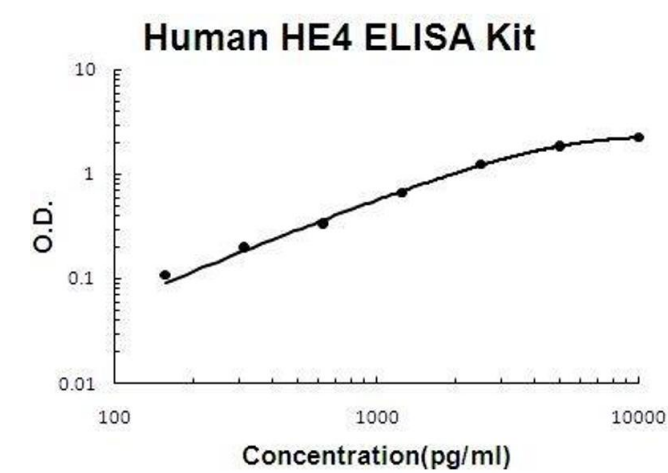
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
Expiry Date:	12 months

Publications

Product cited in:	lori, Vinci, Murphy, Marescotti, Avogaro, Ahluwalia: "Glucose and fatty acid metabolism in a 3 tissue in-vitro model challenged with normo- and hyperglycaemia." in: PLoS ONE , Vol. 7, Issue 4, pp. e34704, (2012) (PubMed).
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ELISA

Image 1. Human HE4 PicoKine ELISA Kit standard curve