



# Human epididymis protein 4 antigen (>90%) (DAGA-797)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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. HE4 is a tumor marker of ovarian cancer, with 80% sensitivity at a cut-off of 150 pmol/L.
<b>Purity</b>	>90% by SDS-PAGE
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in Chemiluminescent Immunoassay. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Format</b>	Liquid
<b>Concentration</b>	Batch dependent - please inquire should you have specific requirements
<b>Buffer</b>	50 mM Sodium Phosphate, pH 7.4 + 0.2 with 20% Glycerol.
<b>Preservative</b>	None
<b>Storage</b>	Short-term store at -70°C. Aliquot to avoid multiple freeze/thaw cycles.

## BACKGROUND



**Keywords**

Human Epididymis Protein 4;WFDC2 gene;ovarian cancer;tumor marker;HE4

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