

Human HE4 Antibody Pair Set

Catalog No.	E-KAB-0280	Applications	ELISA
Synonyms	WFDC2, EDDM4, HE4, WAP5, dJ461P17.6, WAP four-disulfide core domain 2		

Kit components & Storage

Title	Specifications	Storage
Human HE4 Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Human HE4 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

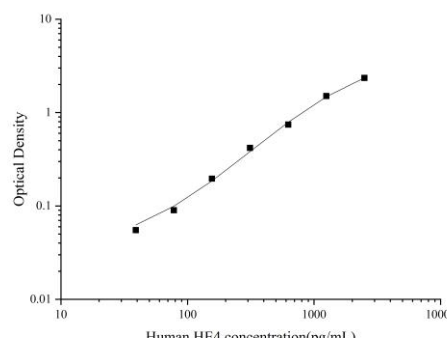
Product Information

Items		Characteristic (E-KAB-0280)	
		Human HE4 Capture Antibody	Human HE4 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human HE4 protein	Recombinant Human HE4 protein
	Swissprot	Q14508	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A	Protein A
	Specificity	Detects Human HE4 in ELISAs.	

For Research Use Only

Applications

Human HE4 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4μg/mL	Human HE4 Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human HE4 concentration (pg/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>50</td><td>0.05</td></tr><tr><td>100</td><td>0.1</td></tr><tr><td>200</td><td>0.2</td></tr><tr><td>500</td><td>0.5</td></tr><tr><td>1000</td><td>1.0</td></tr><tr><td>2000</td><td>2.0</td></tr></tbody></table>	Human HE4 concentration (pg/mL)	Optical Density	50	0.05	100	0.1	200	0.2	500	0.5	1000	1.0	2000	2.0
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ELISA Detection	1:1000-1:10000	Human HE4 Detection Antibody (Biotin)															

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

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.

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