

## Human EREG Antibody Pair Set

Catalog No. E-KAB-0423

Applications

ELISA

Synonyms EPR;ER

### Kit components & Storage

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

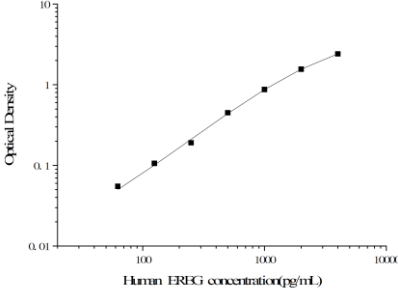
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0423)	
		Human EREG Capture Antibody	Human EREG Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human EREG protien	Recombinant Human EREG protien
	Swissprot	O14944	
Product details	Reactivity	Human	Human
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human EREG in ELISAs.	

## Applications

Human EREG Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4 µg/mL	Human EREG Capture Antibody	 <p>The graph is a log-log plot. The x-axis is labeled 'Human EREG concentration (pg/mL)' and ranges from 10 to 10,000. The y-axis is labeled 'Optical Density' and ranges from 0.01 to 10. The data points form a straight line with a positive slope, indicating a linear relationship between the concentration of Human EREG and the optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human EREG concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>100</td> <td>0.1</td> </tr> <tr> <td>1000</td> <td>0.5</td> </tr> <tr> <td>10000</td> <td>2.0</td> </tr> </tbody> </table>	Human EREG concentration (pg/mL)	Optical Density	10	0.05	100	0.1	1000	0.5	10000	2.0
Human EREG concentration (pg/mL)	Optical Density												
10	0.05												
100	0.1												
1000	0.5												
10000	2.0												
ELISA Detection	1:1000-1:10000	Human EREG Detection Antibody (Biotin)											

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

## Background

Ligand of the EGF receptor/EGFR and ERBB4. Stimulates EGFR and ERBB4 tyrosine phosphorylation. Contributes to inflammation, wound healing, tissue repair, and oocyte maturation by regulating angiogenesis and vascular remodeling and by stimulating cell proliferation.