

## Human IL17RA Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0494	<b>Applications</b>	ELISA
<b>Synonyms</b>	CDw217;CD217;IL17R-A;IL17-RA;IL17R-A;IL17R;HIL-17R		

### Kit components & Storage

Title	Specifications	Storage
Human IL17RA Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human IL17RA Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

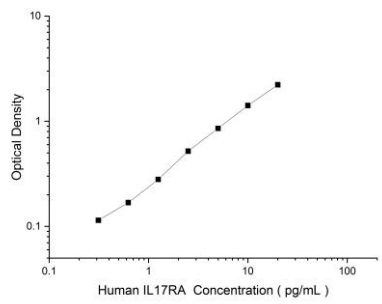
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0494)	
		Human IL17RA Capture Antibody	Human IL17RA Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human IL17RA protien	Recombinant Human IL17RA protien
	Swissprot	Q96F46	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rabbit
	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 IL17RA in ELISAs.	

## Applications

Human IL17RA Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																				
ELISA Capture	0.5-4 µg/mL	Human IL17RA Capture Antibody	 <p>The graph is a log-log plot. The x-axis is labeled 'Human IL17RA Concentration ( pg/mL )' and ranges from 0.1 to 100. The y-axis is labeled 'Optical Density' and ranges from 0.1 to 10. The data points form a straight line with a positive slope, indicating a linear relationship between the concentration of Human IL17RA and the optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human IL17RA Concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr><td>0.1</td><td>0.1</td></tr> <tr><td>0.2</td><td>0.2</td></tr> <tr><td>0.5</td><td>0.5</td></tr> <tr><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td></tr> <tr><td>5</td><td>5</td></tr> <tr><td>10</td><td>10</td></tr> <tr><td>20</td><td>20</td></tr> <tr><td>50</td><td>50</td></tr> </tbody> </table>	Human IL17RA Concentration (pg/mL)	Optical Density	0.1	0.1	0.2	0.2	0.5	0.5	1	1	2	2	5	5	10	10	20	20	50	50
Human IL17RA Concentration (pg/mL)	Optical Density																						
0.1	0.1																						
0.2	0.2																						
0.5	0.5																						
1	1																						
2	2																						
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10	10																						
20	20																						
50	50																						
ELISA Detection	1:1000-1:10000	Human IL17RA Detection Antibody (Biotin)																					

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

## Background

Interleukin 17A (IL17A) is a proinflammatory cytokine secreted by activated T-lymphocytes. It is a potent inducer of the maturation of CD34-positive hematopoietic precursors into neutrophils. The transmembrane protein encoded by this gene (interleukin 17A receptor , IL17RA) is a ubiquitous type I membrane glycoprotein that binds with low affinity to interleukin 17A. Interleukin 17A and its receptor play a pathogenic role in many inflammatory and autoimmune diseases such as rheumatoid arthritis.