

## Mouse IL-17RA Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0725	<b>Applications</b>	ELISA
<b>Synonyms</b>	CDw217;CD217;IL17R-A;IL17-RA;IL17R-A;IL17R;HIL-17R		

### Kit components & Storage

Title	Specifications	Storage
Mouse IL-17RA Capture Antibody	1 vial, 100 µg	Store at -20°C. Avoid freeze / thaw cycles.
Mouse IL-17RA Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C. Avoid freeze / thaw cycles.

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

### Product Information

Items		Characteristic (E-KAB-0725)	
		Mouse IL-17RA Capture Antibody	Mouse IL-17RA Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse IL-17RA protein	Recombinant Mouse IL-17RA protein
	Swissprot	Q60943	
Product details	Reactivity	Mouse	Mouse
	Host	Rabbit	Rabbit
	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	Affinity purification	Affinity purification
	Specificity	Detects Mouse IL-17RA in ELISAs.	

## Applications

Mouse IL-17RA Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4ug/mL	Mouse IL-17RA Capture Antibody	<table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse IL-17RA Concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.03</td> </tr> <tr> <td>20</td> <td>0.06</td> </tr> <tr> <td>50</td> <td>0.15</td> </tr> <tr> <td>100</td> <td>0.3</td> </tr> <tr> <td>200</td> <td>0.6</td> </tr> <tr> <td>500</td> <td>1.5</td> </tr> <tr> <td>1000</td> <td>3.0</td> </tr> </tbody> </table>	Mouse IL-17RA Concentration (pg/mL)	Optical Density	10	0.03	20	0.06	50	0.15	100	0.3	200	0.6	500	1.5	1000	3.0
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ELISA Detection	1:1000-1:10000	Mouse IL-17RA Detection Antibody (Biotin)																	

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

## Background

Six interleukin-17 (IL-17)-family (IL-17A-IL-17F) and five IL-17 receptor (IL-17R)-family (IL-17RA-IL-17RE) members have been reported in mammalian cells. IL-17RA (known as IL-17R, IL-17AR, CD217) is a 128-158 kD type I transmembrane glycoprotein. IL-17R binds to IL-17A (also known as IL-17, and CTLA-8, is a hallmark of Th17 cells) and IL-17F and mediates the proinflammatory signals through interaction with IL-17RC or IL-17RD. IL-17R has broad tissue distribution, including fibroblasts, epithelial cells, endothelial cells, stromal cells, B cells, T cells, NK cells, monocytes and granulocytes.