

## Mouse IL-1ra/IL-1F3 Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0307	<b>Applications</b>	ELISA
<b>Synonyms</b>	IL1RN, DIRA, ICIL-1RA, IL-1RN, IL-1RA, IL-1ra3, IL1F3, IL1RA, IRAP, MVCD4		

### Kit components & Storage

Title	Specifications	Storage
Mouse IL-1ra/IL-1F3 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Mouse IL-1ra/IL-1F3 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

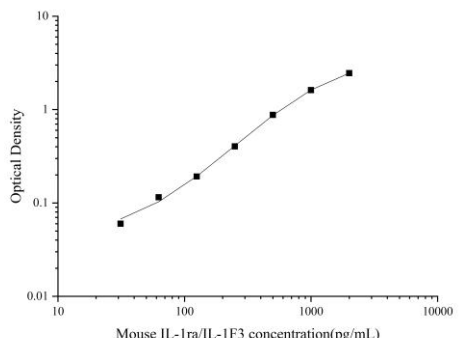
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0307)	
		Mouse IL-1ra/IL-1F3 Capture Antibody	Mouse IL-1ra/IL-1F3 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse IL-1ra/IL-1F3 protein	Recombinant Mouse IL-1ra/IL-1F3 protein
	Swissprot	P25085	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	Goat
	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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse IL-1ra/IL-1F3 in ELISAs.	

## Applications

### Mouse IL-1ra/IL-1F3 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4µg/mL	Mouse IL-1ra/IL-1F3 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Mouse IL-1ra/IL-1F3 concentration (pg/mL). The y-axis (Optical Density) ranges from 0.01 to 10, and the x-axis (concentration) ranges from 10 to 10000. The data points form a smooth, upward-sloping curve, indicating a positive correlation between concentration and optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse IL-1ra/IL-1F3 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>0.2</td> </tr> <tr> <td>1000</td> <td>1.0</td> </tr> <tr> <td>10000</td> <td>5.0</td> </tr> </tbody> </table>	Mouse IL-1ra/IL-1F3 concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	1.0	10000	5.0
Mouse IL-1ra/IL-1F3 concentration (pg/mL)	Optical Density												
10	0.05												
100	0.2												
1000	1.0												
10000	5.0												
ELISA Detection	1:1000-1:10000	Mouse IL-1ra/IL-1F3 Detection Antibody (Biotin)											

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

## Background

Predicted to enable cytokine receptor binding activity. Acts upstream of or within insulin secretion and lipid metabolic process. Located in extracellular region and vesicle. Human ortholog(s) of this gene implicated in several diseases, including autoimmune disease (multiple); eye disease (multiple); kidney failure (multiple); lung disease (multiple); and vascular disease (multiple). Orthologous to human IL1RN (interleukin 1 receptor antagonist).